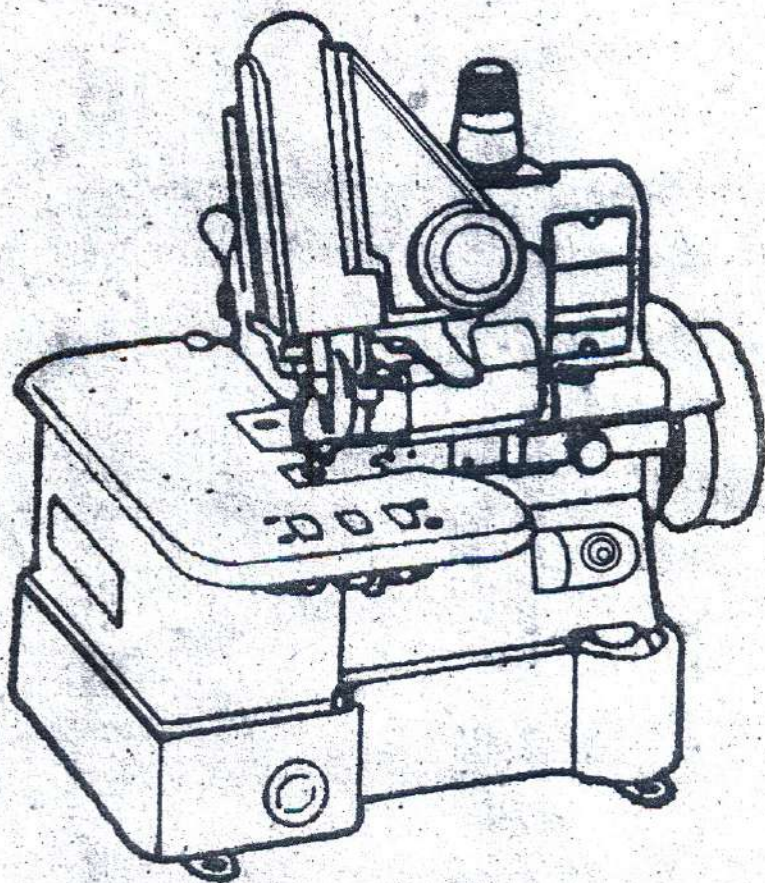
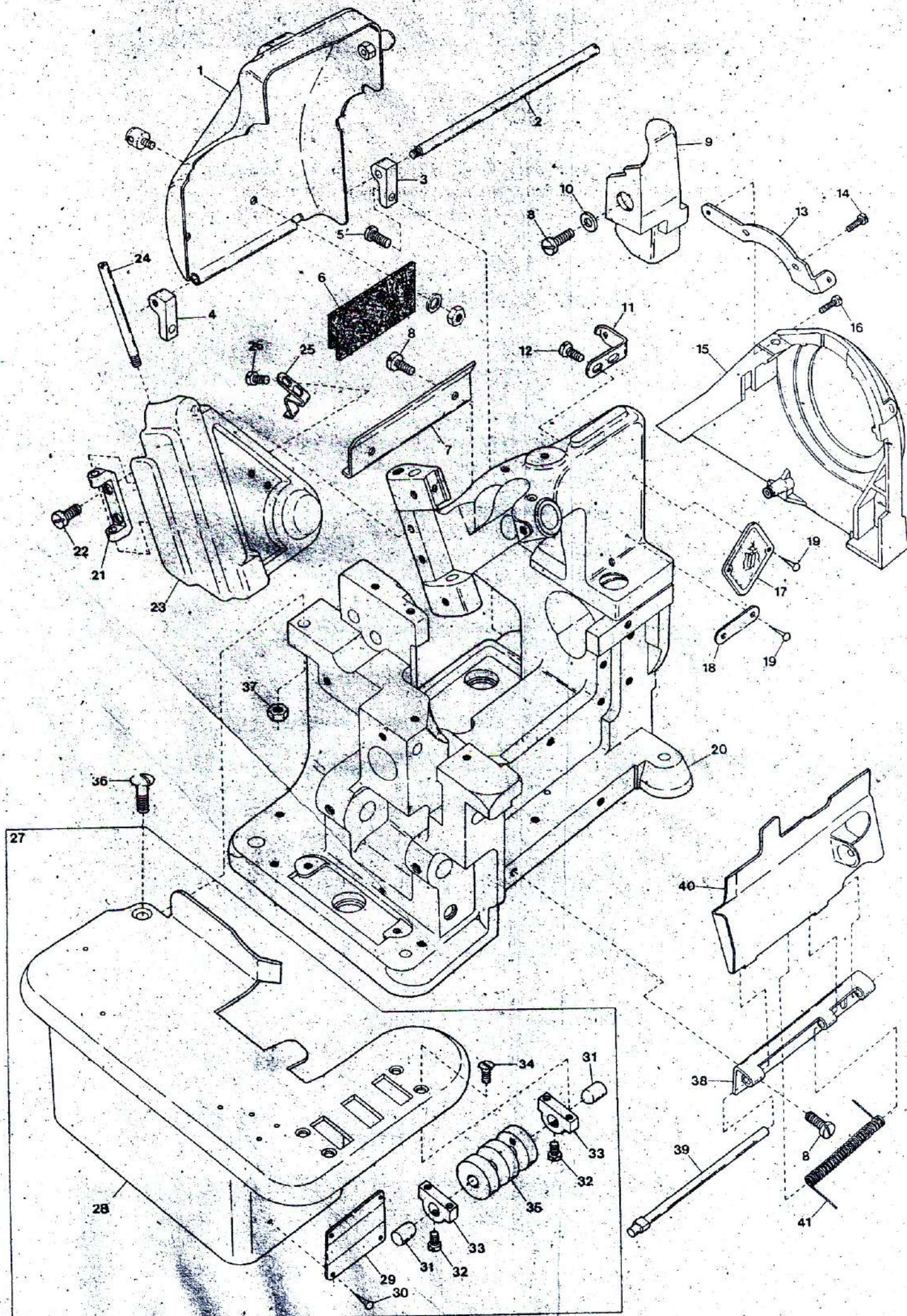


NIPPON

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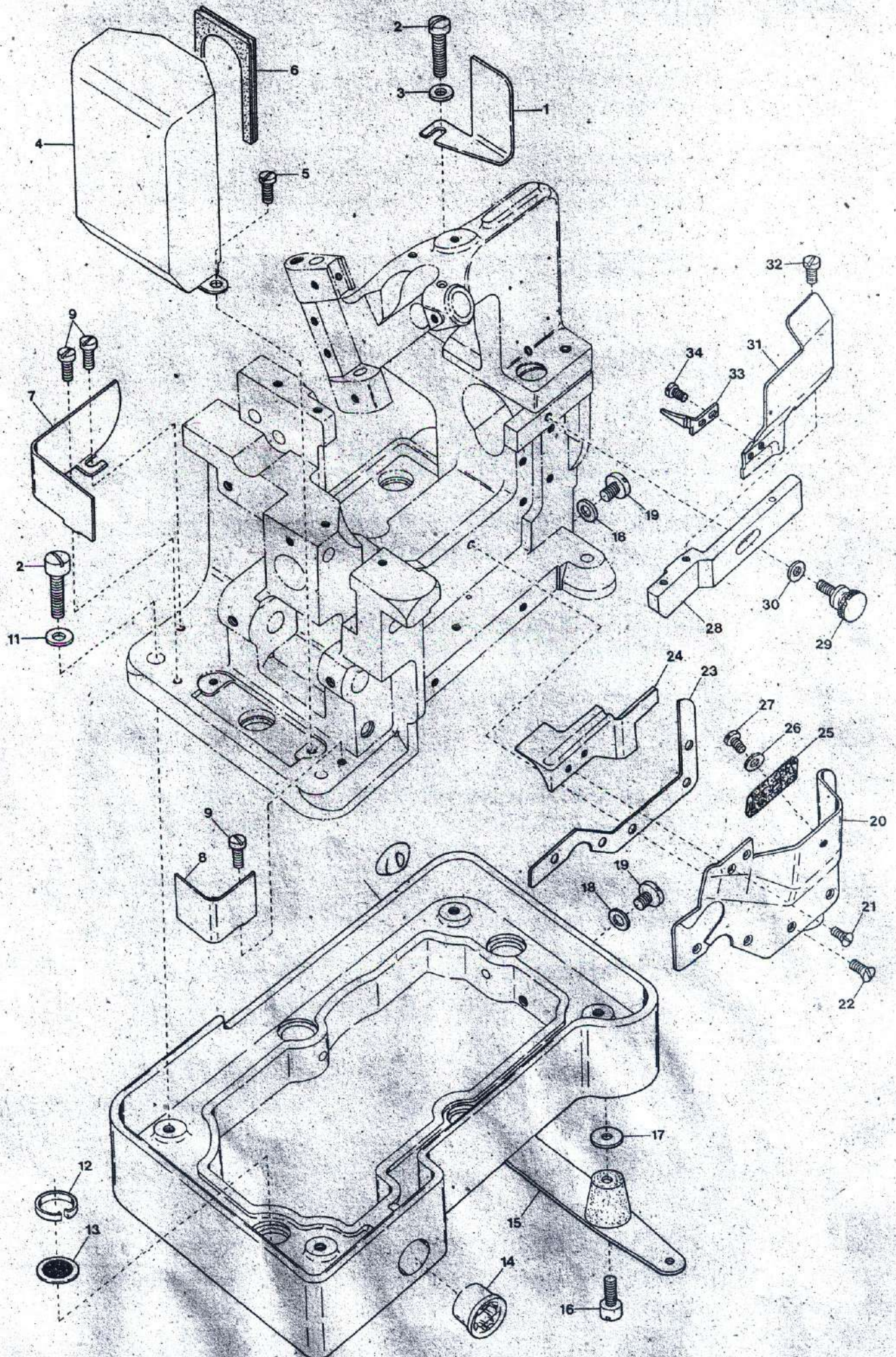


TINTURARIA



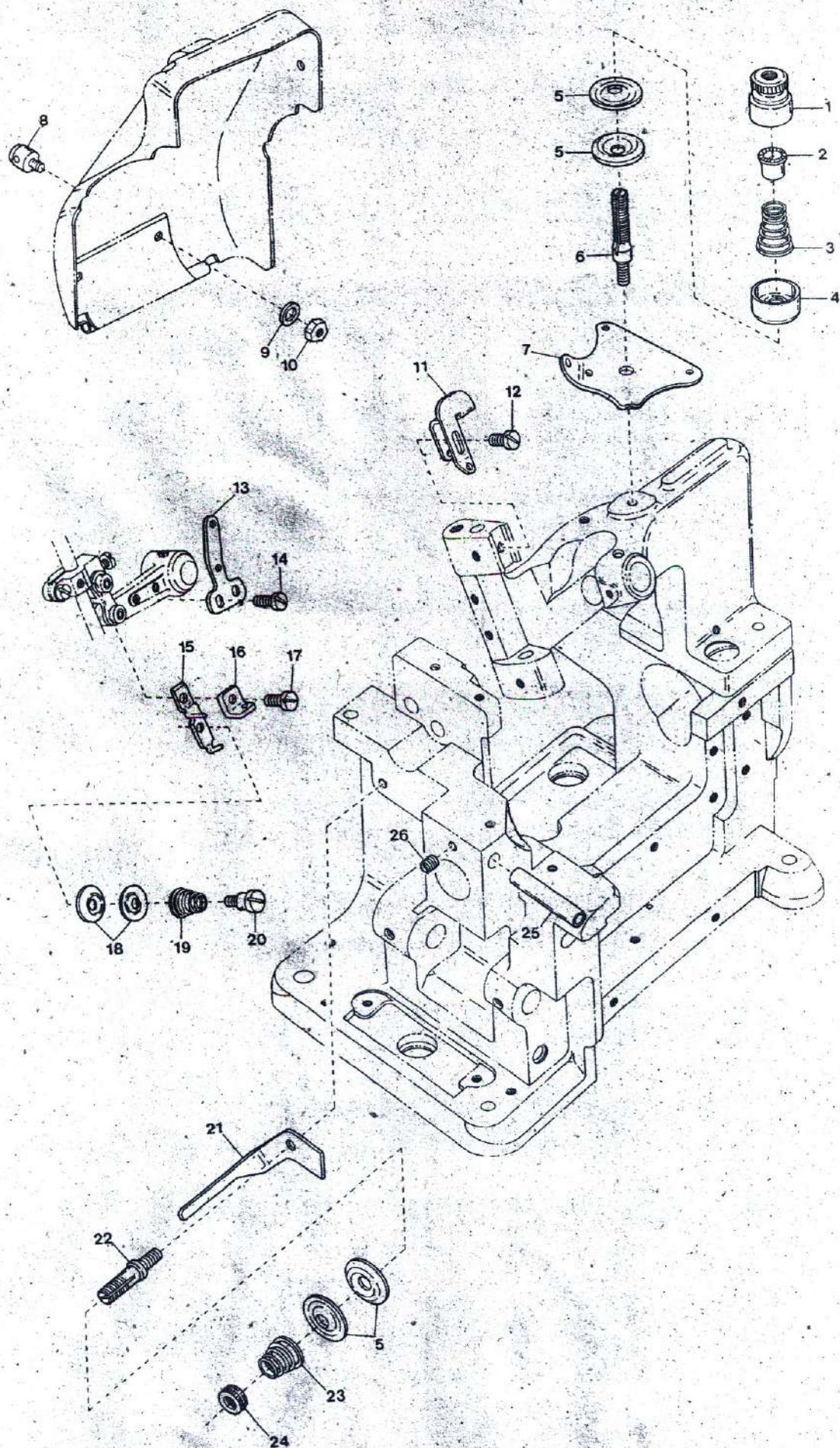
MISCELLANEOUS COVERS(1)

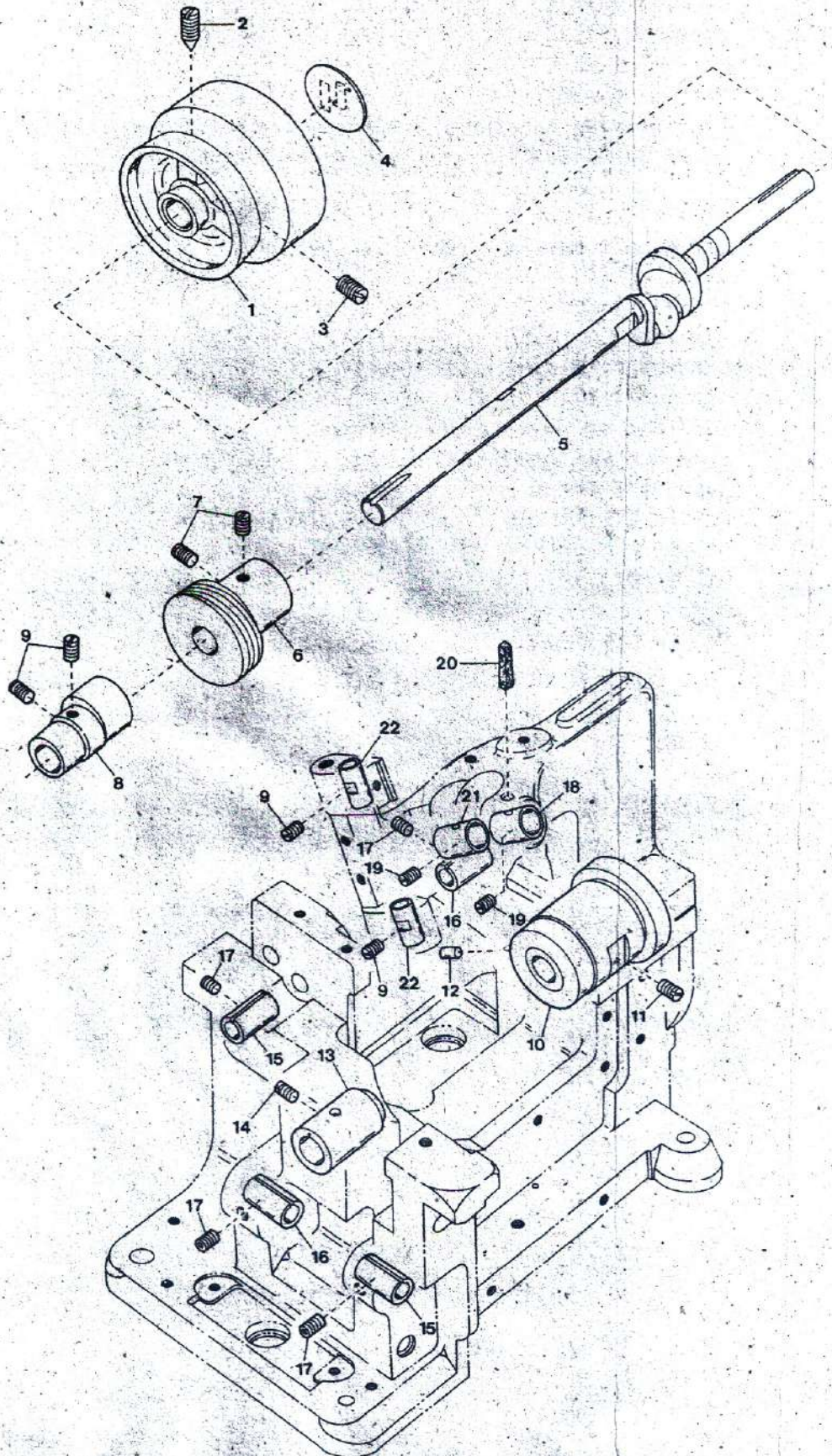
Ref.	Parts		Amt.
No.	No.	Description	Req.
1	0037841	Rear Cover Unit	1
2	0037612	Rear Cover Hinge Pin	1
3	0037609	Rear Cover Hinge (Right)	1
4	0037610	Rear Cover Hinge (Left)	1
5	007609	Screw(9/64-40×9)	2
6	0037569	Rear Cover Felt	1
7	0038229	Rear Oil Shield	1
8	001175	Screw(9/64-40×8)	5
9	0037622	Front Cover(Fixed)	1
10	000541	Washer	1
11	0037613	Rear Cover Spring	1
12	001196	Screw(1/8-44×6)	2
13	2000002	Belt Cover Support	1
14	004169	Screw(9/64-40×8.2)	2
15	2000005	Belt Cover	1
16	001223	Screw(9/64-40×7.5)	2
17	000901	Brand Name Plate	1
18	0037484	Model Plate(DCY-104)	1
19	000726	Rivet	4
20	0037482	Machine Frame Unit	1
21	0037616	Needle Bar Cover Bracket	1
22	007616	Screw(1/8-44×4.2)	2
23	0037489	Needle Bar Cover	1
24	0037617	Needle Bar Cover Pin	1
25	0037618	Needle Bar Cover Latch Spring	1
26	001227	Screw(1/8-44×3.8)	2
27	2000006	Cloth Plate, Complete Set	1
28	0037495	Cloth Plate	1
29	001024	Brand Name Plate	1
30	000715	Rivet	4
31	0037453	Roller Holder	2
32	003433	Screw(11/64-40×4)	2
33	0037809	Roller Holder Bracket	2
34	005345	Screw(11/64-40×8.3)	4
35	0037452	Roller	1
36	002419	Screw(7/32-32×14.5)	1
37	000144	Nut	1
38	0037605	Front Cover Hinge	1
39	0037606	Front Cover Hinge Pin	1
40	0037460	Front Cover	1
41	0037607	Front Cover Restoring Spring	1



MISCELLANEOUS COVERS (2)

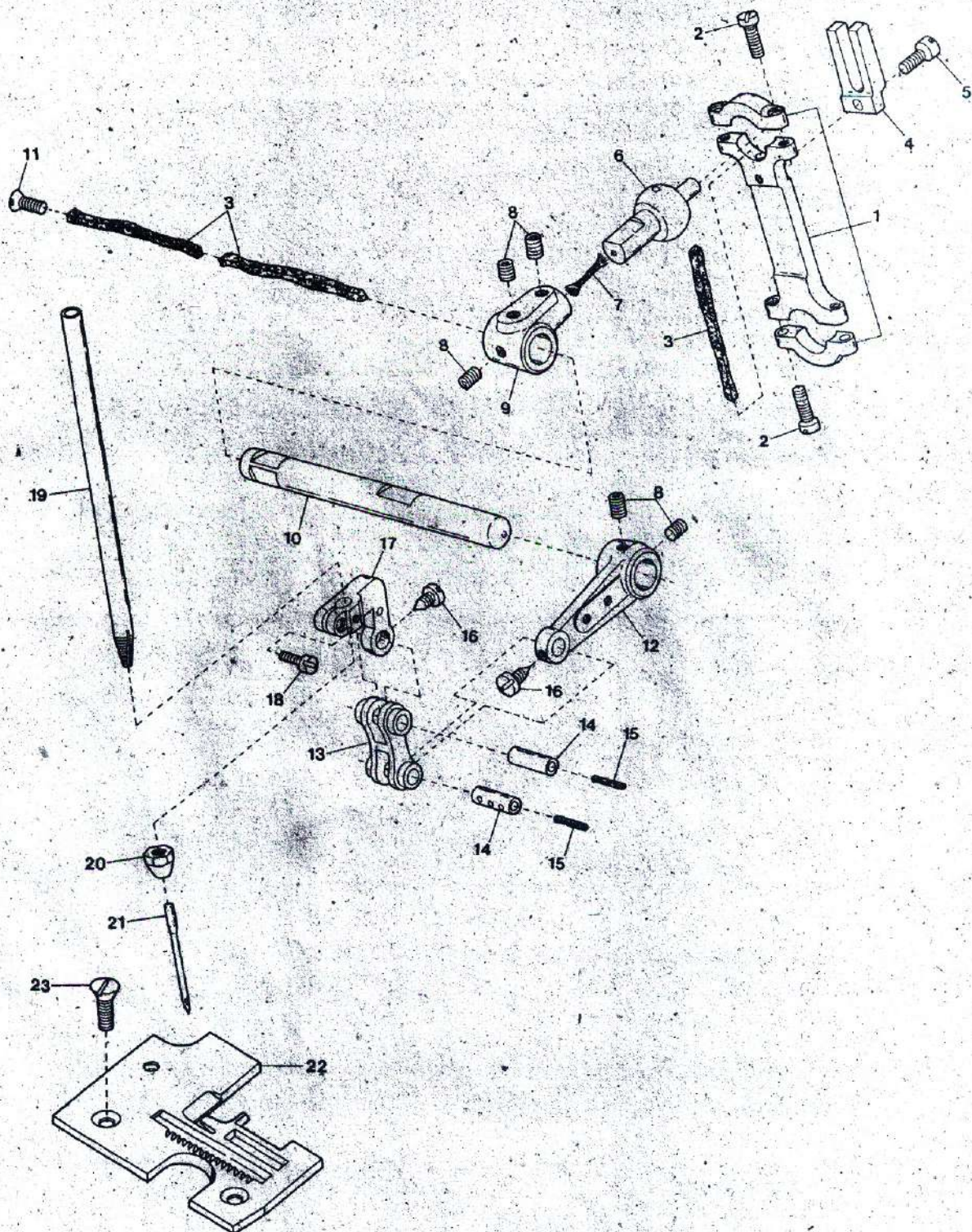
Ref.	Parts		Amt.
No.	No.	Description	Req.
1	0037709	Dust Plate	1
2	007763	Screw (15/64-28×22.5)	4
3	000562	Washer	1
4	0037624	Looper Connecting Rod Cover	1
5	009604	Screw (11/64-40×5.5)	2
6	0037699	Looper Connecting Rod Cover Gasket	1
7	0037626	Angled Cover (Large)	1
8	0037627	Angled Cover (Small)	1
9	001208	Screw (9/64-40×5)	3
		Base	1
10	37678		
11	000500	Washer	3
12	0037681	Oil Filter Screen Clamp	6
13	0037680	Oil Filter Screen	6
14	0037679	Oil Sight Gauge	1
15	0037540	Base Rubber Cushion Unit	2
16	005083	Screw (15/64-28×12.5)	4
17	000568	Gasket	4
18	000567	Gasket	2
19	005062	Screw (1/4-40×8)	2
20	0037805	Front Oil Shield	1
21	001613	Screw (3/32-56×4.5)	2
22	007619	Screw (9/64-40×6.3)	5
23	0037620	Front Oil Shield Gasket	1
24	0037842	Front Oil Shield (Upper)	1
25	0037692	Felt	1
26	000531	Washer	1
27	007616	Screw (1/8-44×4.2)	1
28	0037466	Chip Guard Holder	1
29	001218	Screw (3/16-32×13.3)	1
30	000554	Washer	1
31	0037487	Chip Guard (Upper)	1
32	001175	Screw (9/64-40×8)	2
33	0037286	Auxiliary Stitch Tongue	1
34	004237	Screw (3/32-56×2.6)	2





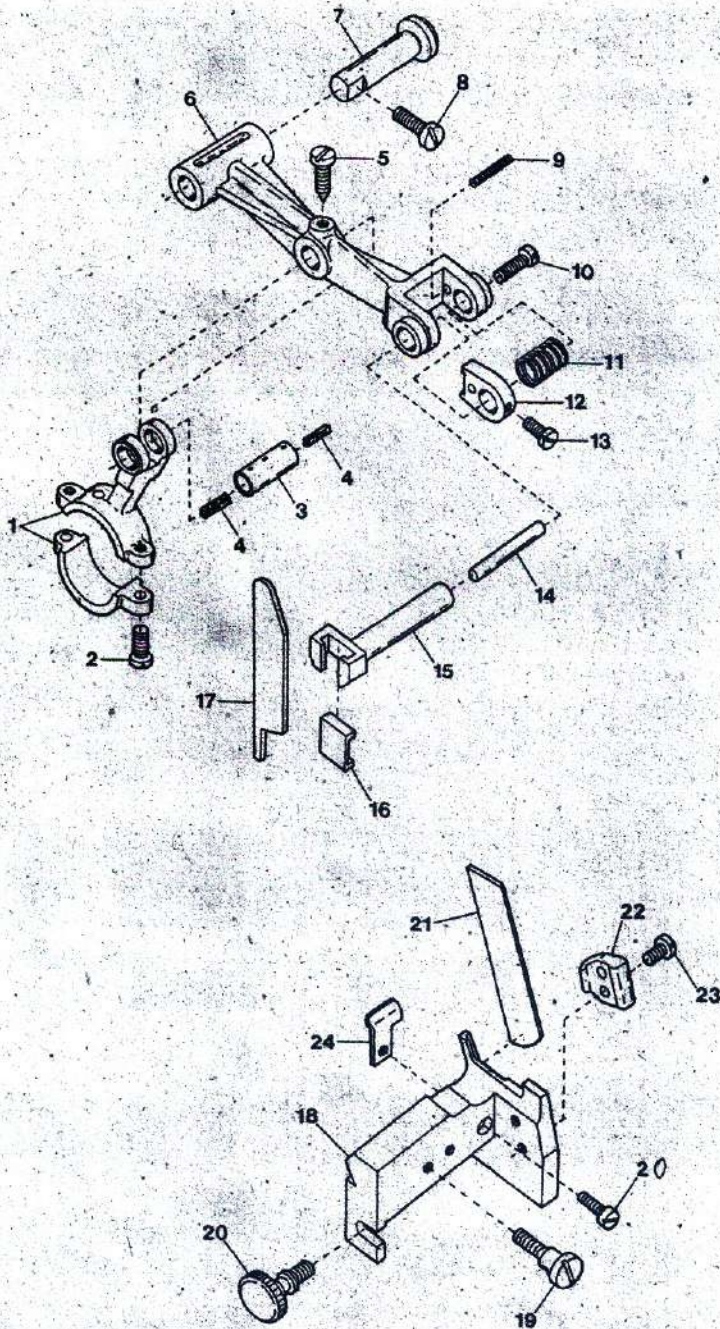
MISCELLANEOUS CRANKSHAFT & BUSHINGSクランク

Ref.	Parts		Amt.
No.	No.	Description	Req.
1	0037703	Pulley	1
2	003591	Screw(15/64-28×11.6)	1
3	003593	Screw(15/64-28×16)	1
4	000989	Handwheel Mark	1
5	0037799	Main Crankshaft	1
6	0037650	Feed Driving Eccentric	1
7	007650	Screw(11/64-40×5)	2
8	0037462	Feed and Upper Knife Eccentric	1
9	001457	Screw(11/64-40×3.3)	4
10	0037547	Crankshaft Bushing(Right)	1
11	003639	Screw(1/4-40×10)	1
12	000294	Oil Wick	1
13	0037645	Crankshaft Bushing(Middle)	1
14	002022	Screw(1/4-40×7.6)	1
15	0037409	Feed Bar and Upper Looper Bushing	2
16	0037654	Feed Bar and Upper Looper Bushing	2
17	003635	Screw(1/4-40×6)	4
18	0037133	Needle Bar Driving Crank Bushing(Front)	1
19	003434	Screw(11/64-40×6)	2
20	000290	Oil Wick	1
21	0037134	Needle Bar Driving Crank Bushing(Rear)	1
22	0037049	Needle Bar Bushing	2



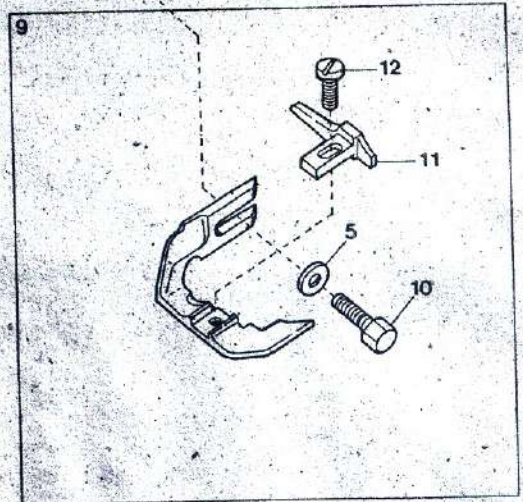
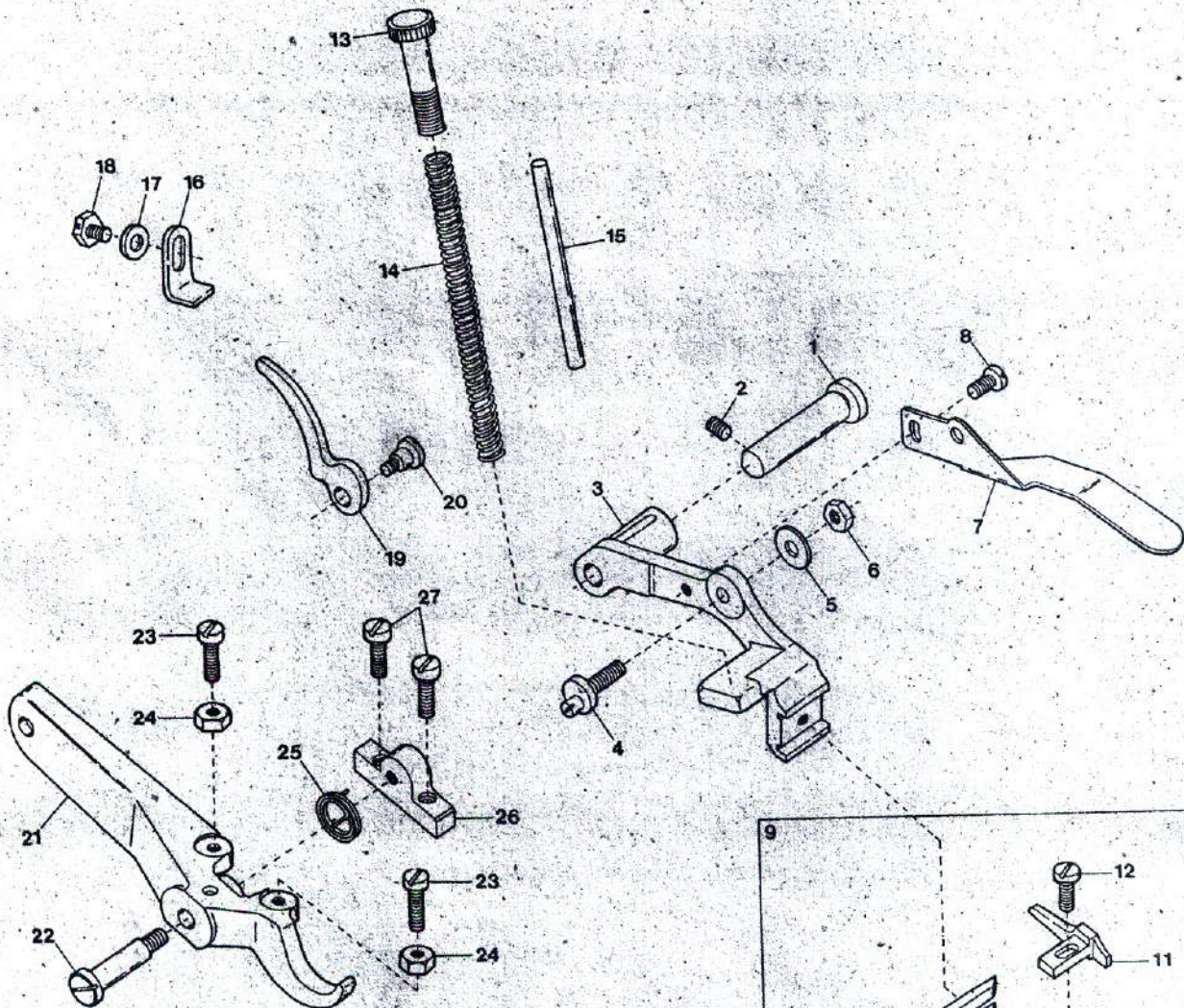
NEEDLE BAR DRIVING MECHANISM

Ref.	Parts		Amt.
No.	No.	Description	Req.
1	0037057	Needle Bar Connecting Rod	1
2	007311	Screw (11/64-40×12.6)	4
3	000304	Oil Wick	3
4	0037130	Connecting Rod Guide Fork	1
5	001170	Screw (9/64-40×12)	1
6	0037132	Driving Crank Ball Stud	1
7		Oil Wick	1
8	003635	Screw (1/4-40×6)	5
9	0037127	Driving Crank (Rear)	1
10	0037059	Driving Crankshaft	1
11	009932	Screw (11/64-40×4)	1
12	0037150	Driving Crank (Front)	1
13	0090321	Connecting Link	1
14	0090320	Connecting Link Pin	2
15	000278	Oil Wick	2
16	004313	Screw (1/8-44×5)	2
17	0037818	Needle Bar Connecting Bracket	1
18	004435	Screw (11/64-40×8.5)	1
19	0037062	Needle Bar	1
20	000062	Nut	1
21		Needle (System: DC×1)	1
22	0037483	Stitch Plate	1
23	001732	Screw (11/64-40×9.3)	2



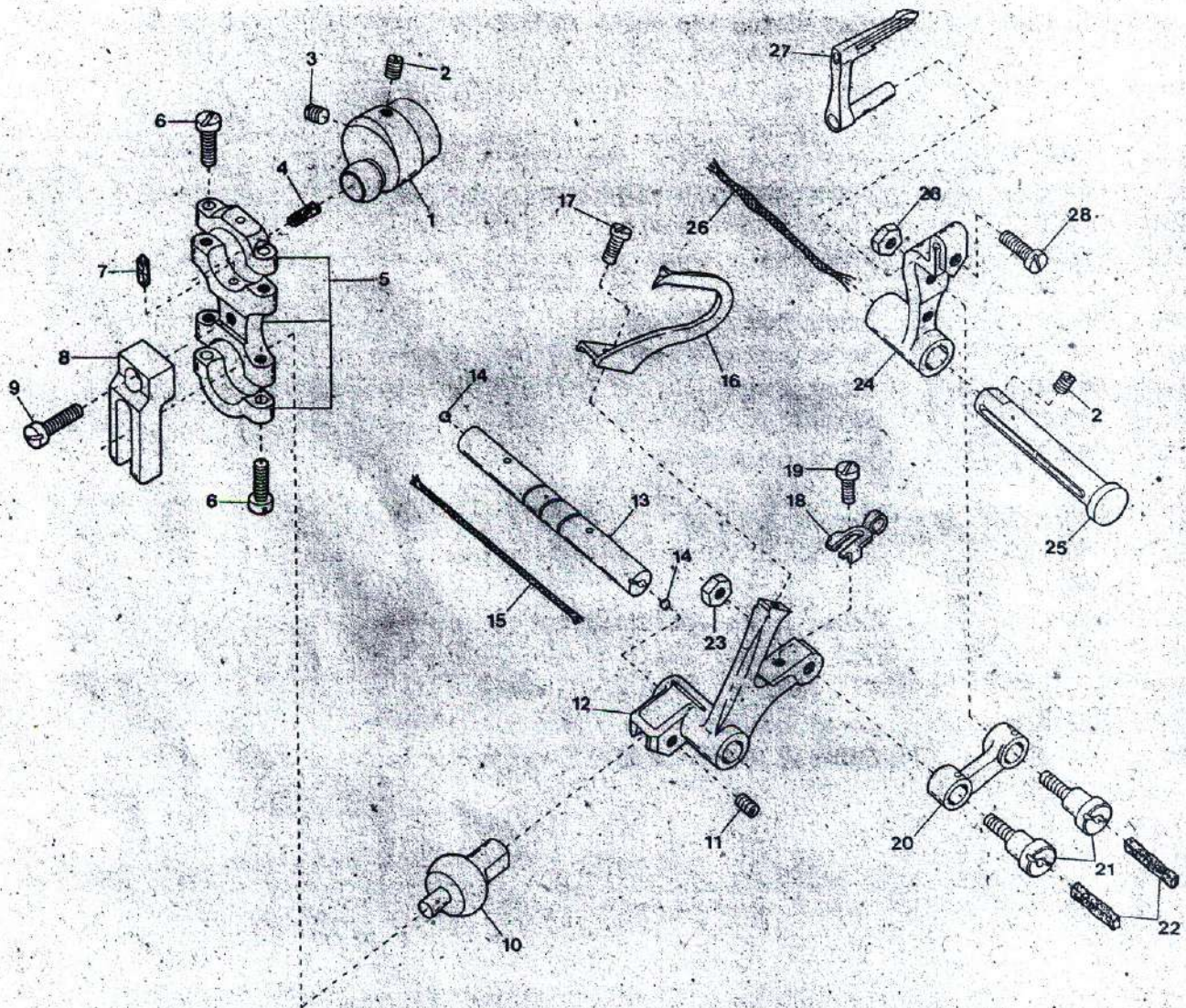
KNIFE DRIVING MECHANISM

Ref.	Parts		Amt.
No.	No.	Description	Req.
1	0037833	Upper Knife Connecting Rod	1
2	001174	Screw (9/64-40×10.3)	3
3	0037876	Connecting Rod Pin	1
4	000290	Oil Wick	2
5	001176	Screw (9/64-40×8)	1
6	0037467	Upper Knife Driving Arm Stud	1
7	0037552	Driving Arm Stud Pin	1
8	007311	Screw (11/64-40×12.6)	1
9	0030414	Upper Knife Holder Spring (Small)	1
10	001132	Screw (6/64-40×14.7)	1
11	0030413	Upper Knife Holder Spring	1
12	0037478	Upper Knife Holder Guide	1
13	001222	Screw (1/8-44×4.8)	1
14	0037475	Upper Knife Clamp Pin	1
15	0037470	Upper Knife Holder	1
16	0037471	Upper Knife Clamp	1
17	0037469	Upper Knife	1
18	0037473	Lower Knife Holder	1
19	002086	Screw (3/16-32×13.1)	1
20	002369	Adjusting Screw (3/16-32×13.4)	1
21	0037472	Lower Knife	1
22	0037474	Lower Knife Clamp	1
23	007405	Screw (9/64-40×10.3)	2
24	0037458	Needle Guard	1



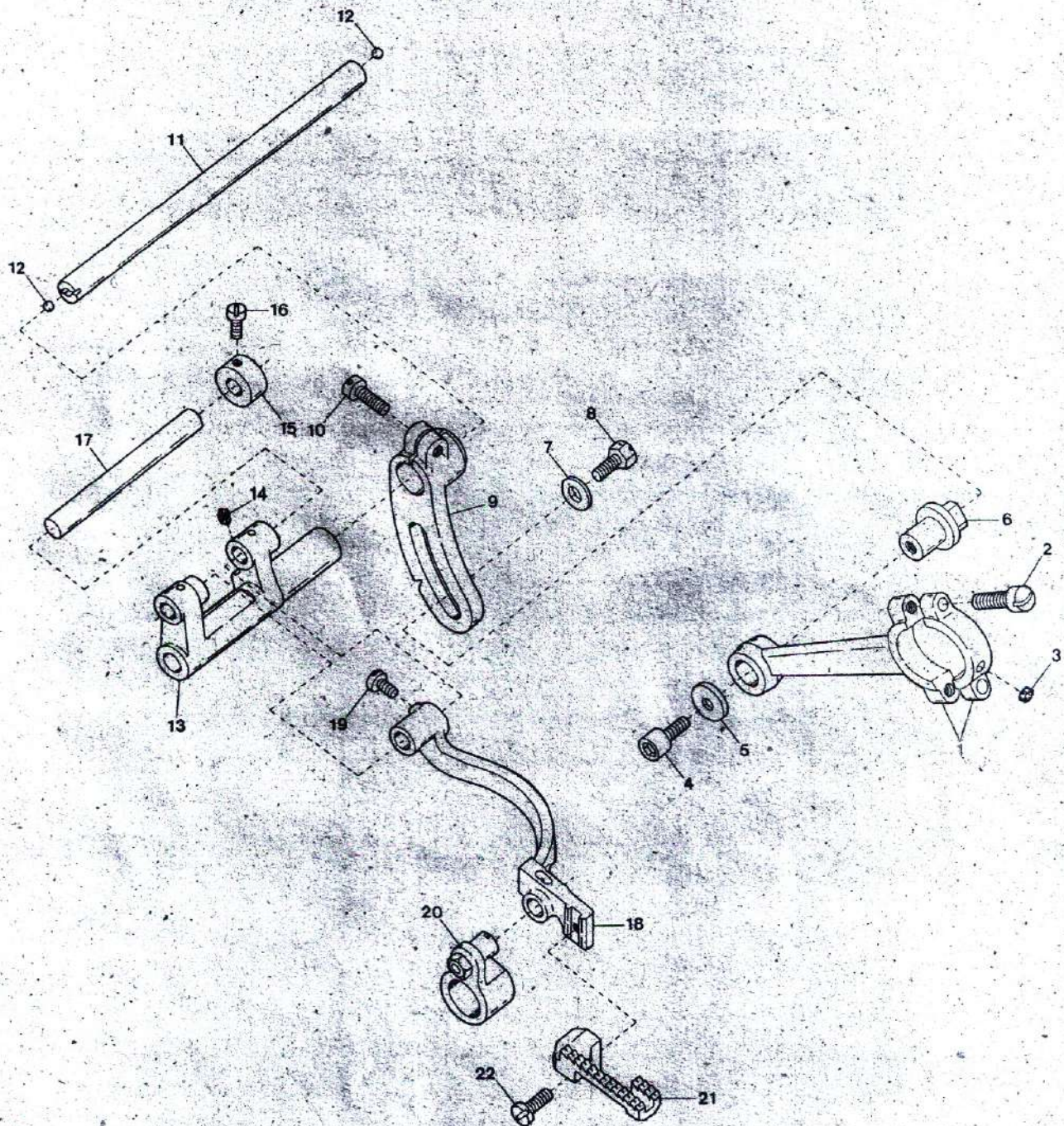
PRESSER FOOT MECHANISM

Ref.	Parts		Amt.
No.	No.	Description	Req.
1	0037552	Presser Arm Hinge Stud	1
2	003434	Screw (11/64-40×6)	1
3	0037064	Presser Arm	1
4	007143	Eccentric Screw (11/64-40×7.6)	1
5	000554	Washer	2
6	000340	Nut	1
7	0037886	Auxiliary Foot Lifter Hand Lever	1
8	001175	Screw (9/64-40×8)	2
9	0037496	Presser Foot, Complete Set	1
10	002308	Screw (11/64-40×10.4)	1
11	0037268	Presser Foot Stitch Tongue	1
12	004236	Screw (3/32-56×4.2)	1
13	002371	Adjusting Screw (17/64-32×17.5)	1
14	0037065	Presser Spring	1
15	0037048	Presser Foot Positioning Pin	1
16	0037148	Presser Arm Stop	1
17	000531	Washer	1
18	005541	Screw (11/64-40×9)	1
19	0037144	Foot Lifter Hand Lever	1
20	002214	Screw (3/16-32×6.6)	1
21	0037146	Foot Lift Lever	1
22	002285	Screw (15/64-28×8.1)	1
23	002133	Screw (11/64-40×14.8)	2
24	000334	Nut	2
25	0037147	Foot Lifter Lever Spring	1
26	0037145	Foot Lifter Lever Bracket	1
27	007311	Screw (11/64-40×12.6)	2



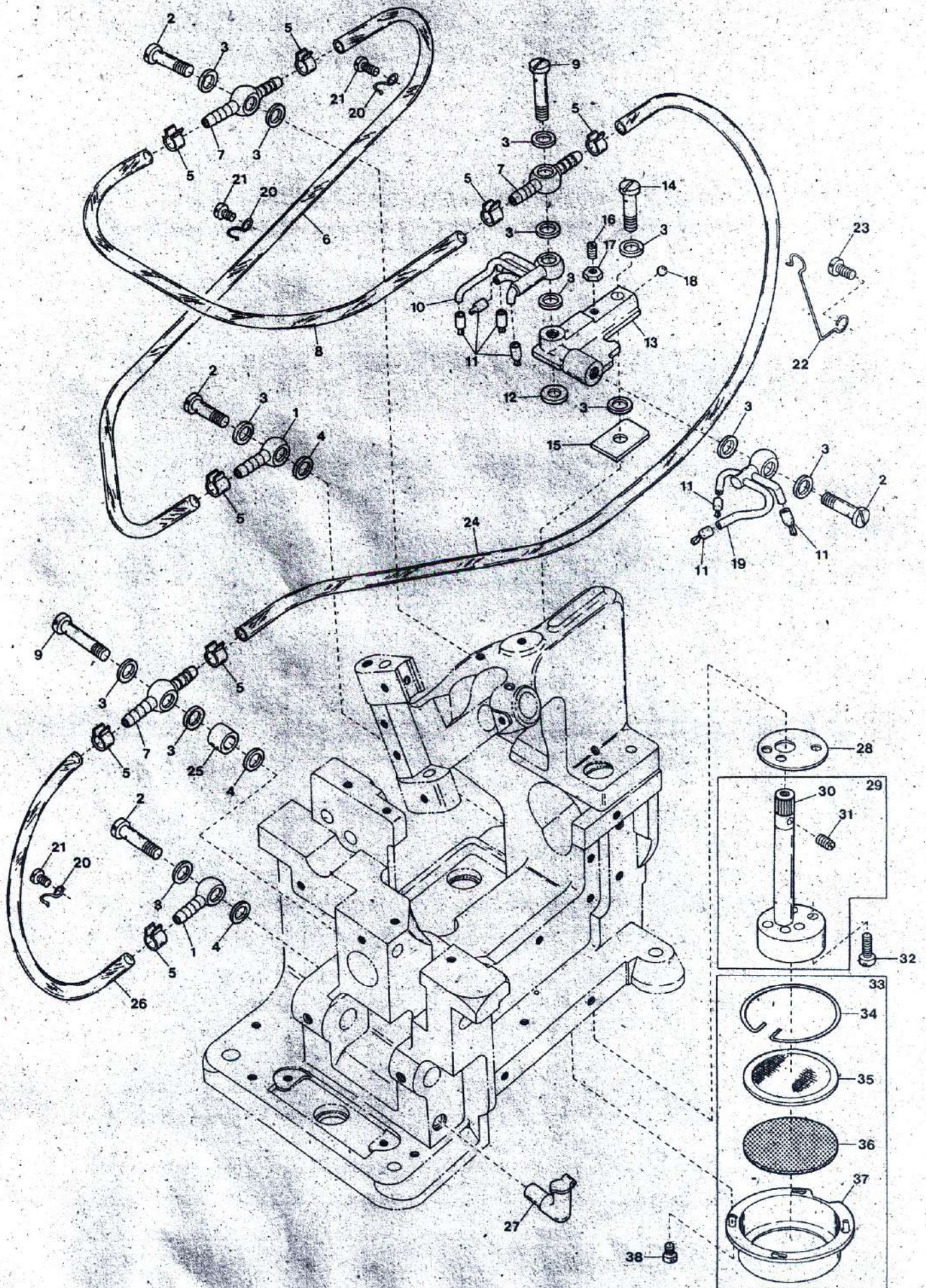
LOOPER DRIVING MECHANISM

Ref.	Parts		Amt.
No.	No.	Description	Req.
1	0037831	Looper Driving Crank	1
2	002022	Screw (1/4-40×7.6)	2
3	002368	Screw (1/4-40×9.2)	1
4	000292	Oil Wick	1
5	0037843	Looper Connecting Rod	1
6	007311	Screw (11/64-40×12.6)	4
7	000294	Oil Wick	1
8	0037130	Connecting Rod Guide Fork	1
9	001170	Screw (9/64-40×12)	1
10	0037058	Holding Arm Ball Stud	1
11	003635	Screw (1/4-40×6)	1
12	0037304	Upper Looper Holding Arm	1
13	0037647	Upper Looper Shaft	1
14	000634	Seal Plug	2
15		Oil Wick	1
16	0037271	Upper Looper (Spreader)	1
17	001196	Screw (1/8-44×6)	1
18	0037307	Upper Looper Thread Pull-off	1
19	004236	Screw (3/32-56×4.2)	1
20	0037315	Lower Looper Connecting Link	1
21	001335	Screw (15/64-28×9)	2
22	000290	Oil Wick	2
23	000018	Nut	2
24	0037648	Lower Looper Holder Arm	1
25	0037649	Lower Looper Shaft	1
26		Oil Wick	1
27	0037272	Lower Looper	1
28	007302	Screw (9/64-40×4.2)	1



FEED DRIVING MECHANISM

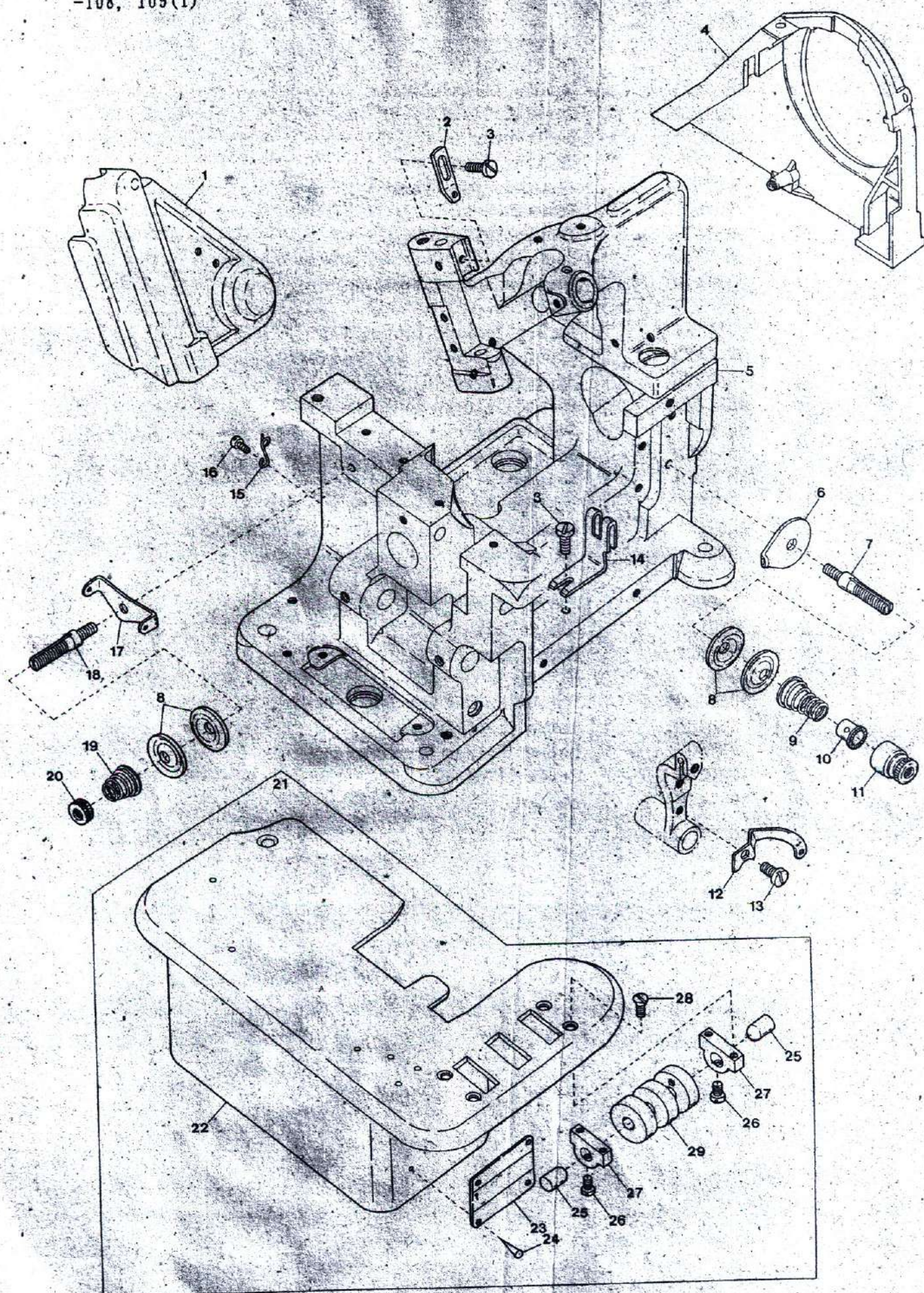
Ref.	Parts		Amt.
No.	No.	Description	Req.
1	0037651	Feed Dog Driving Connecting Rod	1
2	002043	Screw (11/64-40×11)	2
3	000281	Oil Wick	1
4	005028	Screw (3/16-32×9.5)	1
5	000555	Washer	1
6	0038064	Connecting Rod Pin	1
7	000551	Washer	1
8	005540	Screw (3/16-32×9.5)	1
9	0037652	Feed Regulator	1
10	001156	Screw (11/64-40×13.3)	1
11	0037653	Feed Bar Shaft	1
12	000637	Seal Plug	2
13	0037256	Differential Feed Rocker	1
14	000287	Oil Wick	1
15	0037443	Collar (6.35×12×7mm)	1
16	007616	Screw (1/8-44×4.2)	1
17	0037442	Feed Holder Pin	1
18	0037279	Feed Dog Holder	1
19	009604	Screw (11/64-40×5.5)	1
20	0037410	Feed Dog Driving Lever	1
21	0037273	Plain Feed Dog	1
22	001175	Screw (9/64-40×8)	1



LUBRICATING MECHANISM

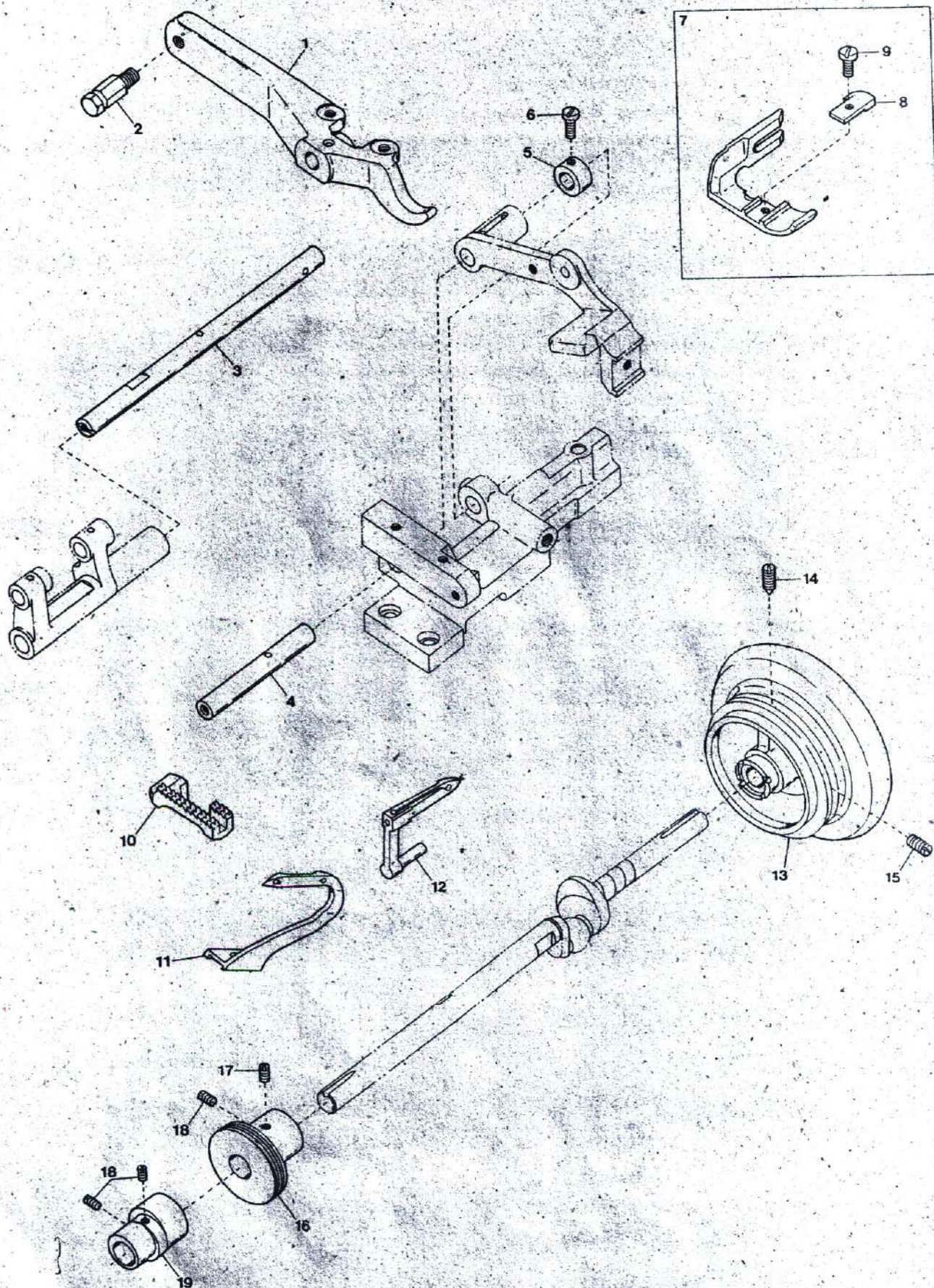
Ref.	Parts		Amt.
No.	No.	Description	Req.
1	0037669	Oil Tube Fitting One Way End	2
2	007668	Oil Tube Fitting Stud	4
3	000567	Seal	13
4	000566	Seal	3
5	0037675	Oil Tube Clamp	8
6	0037433	Oil Tube	1
7	0037668	Oil Tube Fitting Two Way	3
8	0093619	Oil Tube	1
9	007667	Oil Tube Fitting Stud	2
10	0037670	Oil Focal Point	1
11	0037697	Oil Cap	7
12	000569	Seal	1
13	0037666	Oil Tube Joint Holder	1
14	007666	Oil Tube Fitting Stud	1
15	0037667	Oil Tube Joint Holder Gasket	1
16	009209	Screw(11/64-40×9)	1
17	000340	Nut	1
18	000637	Seal Plug	1
19	0037479	Oil Focal Point	1
20	0037677	Oil Tube Holder(Small)	3
21	001196	Screw(1/8-44×6)	3
22	0037676	Oil Tube Holder(Large)	1
23	004358	Screw(9/64-40×5.6)	1
24	0037432	Oil Tube	1
25	0037691	Oil Tube Joint Ring	1
26	0037431	Oil Tube	1
27	0037685	Oil Cup	1
28	0037659	Oil Pump Gasket	1
29	0037684	Oil Pump, Complete Set	1
30	0037660	Worm Gear	1
31	003410	Screw(1/8-44×4)	1
32	007658	Screw(11/64-40×26.3)	2
33	0038172	Pump Filter Screen, C. Set	1
34	0038176	Pump Filter Screen Clamp	1
35	0038175	Pump Filter Screen(Fine Mesh)	1
36	0038174	Pump Filter Screen(Coarse Mesh)	1
37	0038173	Pump Filter Case	1
38	001208	Screw(9/64-40×5)	4

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-108. 109 EXCLUSIVE PARTS(1)

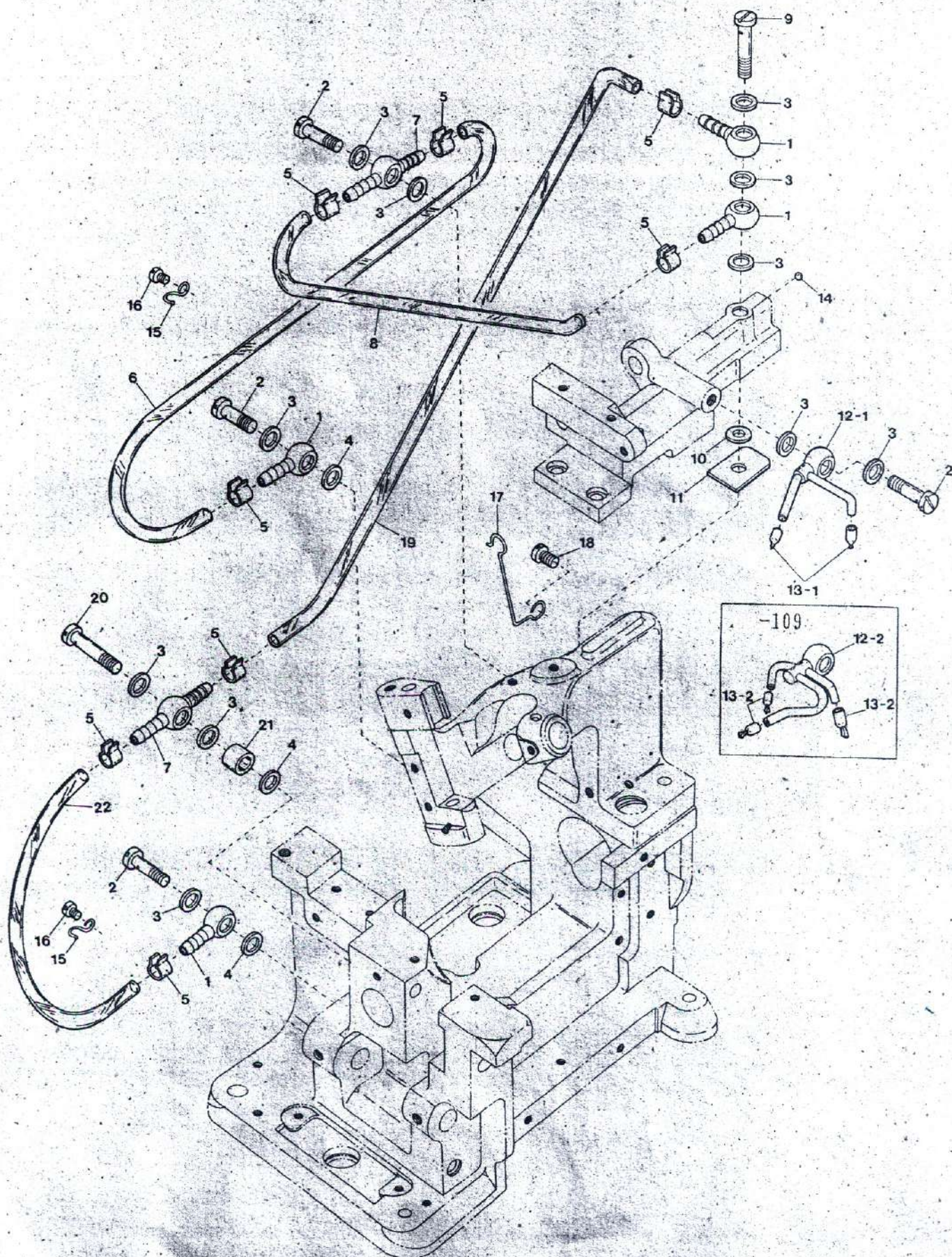
Ref.	Parts		Amt.
No.	No.	Description	Req.
1	0037804	Needle Bar Cover	1
2	0037101	Needle Thread Eyelet	1
3	004358	Screw(9/64-40×5.6)	2
4	2000001	Belt Cover	1
5	0037801	Machine Frame Unit	1
6	0037813	Tension Disc Eyelet	1
7	007817	Tension Post	1
8	0031111	Tension Disc	4
9	0037632	Upper Loooper Thread Tension Spring . .	1
10	0037170	Tension Spring Bushing	1
11	0037636	Thread Tension Spring Cap	1
12	0037833	Upper Loooper Thraed Pull-off	1
13	001196	Screw(1/8-44×6)	1
14	0037814	Thread Take-up Eyelet	1
15	0090185	Thread Eyelet	1
16	001202	Screw(9/64-40×6.6)	1
17	0038074	Tension Disc Eyelet	1
18	001817	Tension Post	1
19	0037113	Lower Loooper Thread Tension Spring . .	1
20	000056	Adjusting Nut	1
21	2000007	Cloth Plate, Complete Set	1
22	0037834	Cloth Plate	1
23	001024	Brand Name Plate	1
24	000715	Rivet	4
25	0037453	Roller Holder	2
26	003433	Screw(11/64-40×4)	2
27	0037809	Roller Holder Bracket	2
28	005345	Screw(11/64-40×8.3)	4
29	0037452	Roller	1



-108. 109 EXCLUSIVE PARTS(2)

Ref.	Parts		Amt.
No.	No.	Description	Req.
1	0037755	Foot Lifter Lever	1
2	0037757	Chain Latch Bolt	1
3	0037835	Feed Bar Shaft	1
4	0037826	Presser Arm Hinge Pin	1
5	0037827	Collar(7.94×14×6mm)	1
6	001208	Screw(9/64-40×5)	1
7	0037848	Presser Foot, Complete Set	1
8	0037850	Presser Foot Stitch Tongue	1
9	001228	Screw(3/32-56×3.2)	1
10	0037439	Plain Feed Dog	1
11	0037832	Upper Looper	1
12	0037076	Lower Looper	1
13	2000004	Pulley	1
14	002347	Screw(15/64-28×24)	1
15	001419	Screw(15/64-28×21.6)	1
16	0037438	Feed Driving Eccentric	1
17	007650	Screw(11/64-40×5)	1
18	001457	Screw(11/64-40×3.3)	3
19	0037437	Feed Lift & Upper Knife Eccentric	1

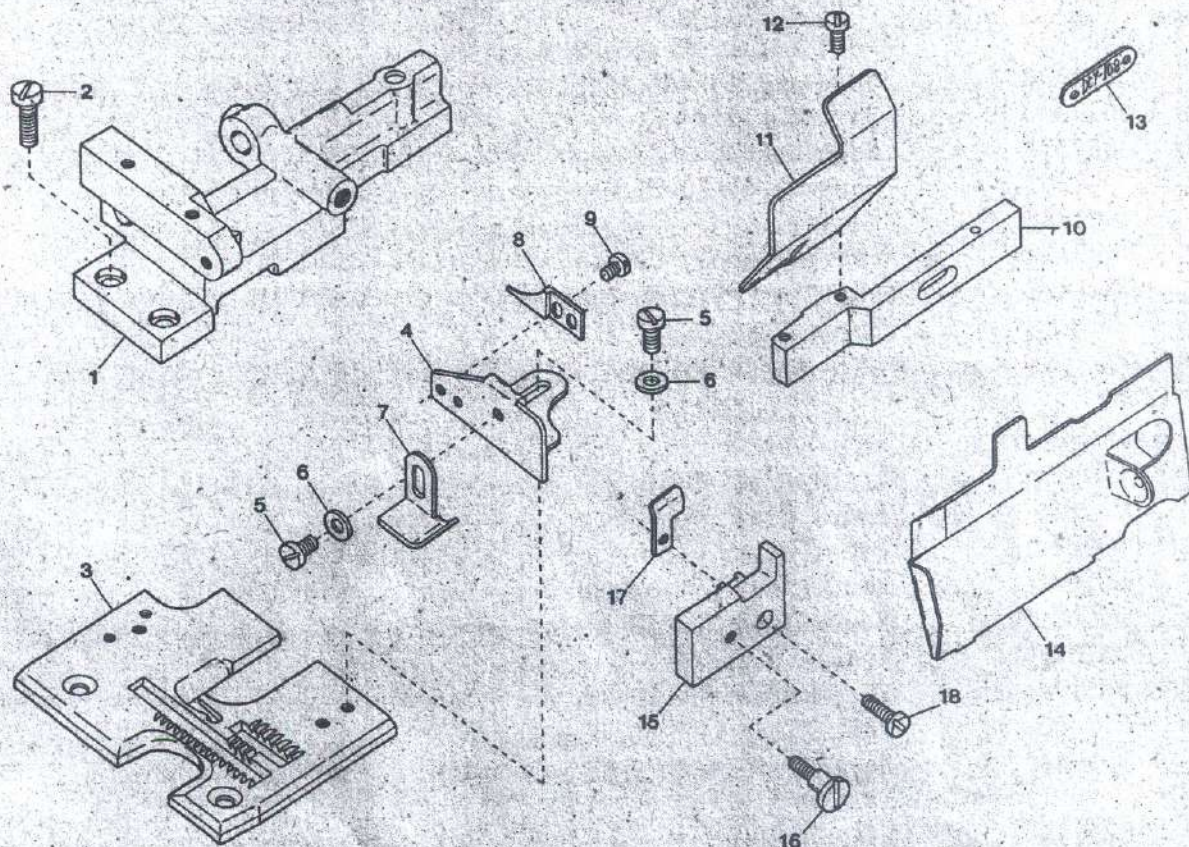
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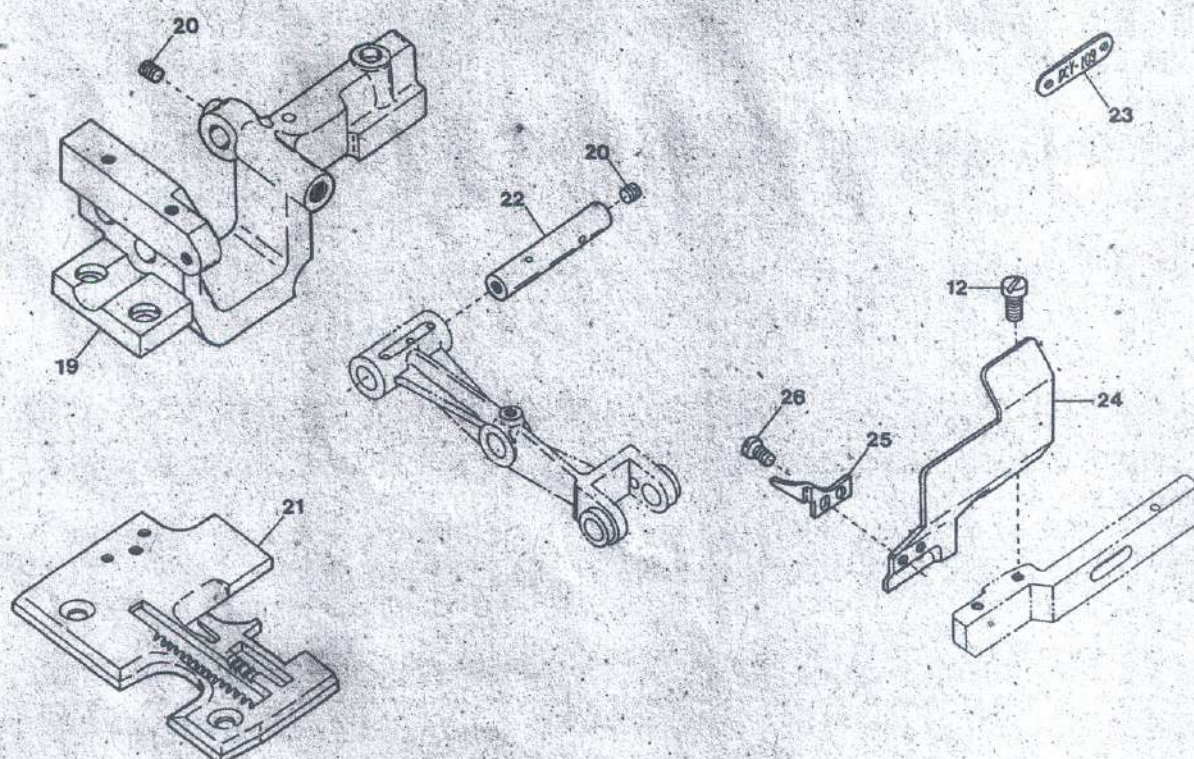
-108. 109 EXCLUSIVE PARTS(3)

Ref. No.	Parts No.	Description	Amt. Req.
1	0037669	Oil Tube Fitting One Way End	4
2	007668	Oil Tube Fitting Stud	4
3	000567	Seal	11
4	000566	Seal	3
5	0037675	Oil Tube Clamp	8
6	0037433	Oil Tube(220mm)	1
7	0037668	Oil Tube Fitting Two Way	2
8	0037435	Oil Tube(120mm)	1
9	006762	Oil Tube Fitting Stud	1
10	000569	Seal	1
11	0037667	Oil Tube Joint Holder Gasket	1
12-1	0037715	Oil Focal Point(DCY-108)	1
12-2	0037479	" (DCY-109)	1
13-1	0037697	Oil Cap(DCY-108)	2
13-2	0037697	" (DCY-109)	3
14	000638	Seal Plug	1
15	0037677	Oil Tube Holder(Small)	2
16	001196	Screw(1/8-44×6)	2
17	0037880	Oil Tube Holder(Large)	1
18	004358	Screw(9/64-40×5.6)	1
19	0037481	Oil Tube(240mm)	1
20	007667	Oil Tube Fitting Stud	1
21	0037691	Oil Tube Joint Ring	1
22	0037431	Oil Tube(130mm)	1

-108(4)



-109(4)



-108. 109 EXCLUSIVE PARTS(4)

Ref. No.	Parts No.	Description	Amt. Req.
1	0037825	Foot Lifter Device Bracket	1
2	001156	Screw(11/64-40×13.3)	2
3	0037800	Stitch Plate	1
4	0037821	Edge Guide	1
5	001202	Screw(9/64-40×6.6)	3
6	000532	Washer	3
7	0037822	Fabric Guide	1
8	0037823	Auxiliary Stitch Tongue	1
9	001228	Screw(3/32-56×3.2)	2
10	0037637	Chip Guard Holder	1
11	0037811	Chip Guard	1
12	001175	Screw(9/64-40×8)	2
13	0037839	Model Plate	1
14	0037604	Front Cover	1
15	0037824	Needle Guard Bracket	1
16	002086	Screw(3/16-32×13.1)	1
17	0037845	Needle Guard	1
18	001174	Screw(9/64-40×10.3)	1
19	0037465	Foot Lifter Device Bracket	1
20	001457	Screw(11/64-40×3.3)	2
21	0037459	Stitch Plate	1
22	0037468	Upper Knife Driving Arm Stud Pin	1
23	0037480	Model Plate	1
24	0037461	Chip Guard	1
25	0037464	Auxiliary Stitch Tongue	1
26	004237	Screw(3/32-56×2.6)	2