

COLUMBIA
SAFETY STITCH
OVERLOCK MACHINE

650-1
650-2

ILLUSTRATED
SPARE PARTS LIST

INDEX

Parts No.	Plate No.	Ref. No.	Parts No.	Plate No.	Ref. No.	Parts No.	Plate No.	Ref. No.	Parts No.	Plate No.	Ref. No.
Y 210	6	2	Y 723	4	48	Y 3408	8	44	Y 4440	6	20
Y 216	5	27	Y 731	5	29	Y 3412	8	47		7	4
Y 282	4	82	Y 732	1	43	Y 3434	1	40		8	21,23
	6	29	Y 926	11	21		4	66	Y 4441	1	16
Y 286	3	23	Y 1092	4	83		10	12		10	55
	9	31	Y 1174	4	45	Y 3591	10	59	Y 4591	4	14
Y 304	6	23,35	Y 1175	8	24,50	Y 3595	10	42	Y 4635	5	21
Y 313	11	36	Y 1186	4	77	Y 3632	8	27	Y 5004	6	36
Y 316	3	31	Y 1196	3	17	Y 3635	4	71	Y 5036	5	35
Y 317	3	1	Y 1208	5	5		6	28	Y 5040	7	43
Y 322	5	18	Y 1226	5	25		7	16,31	Y 5043	4	1
Y 340	1	11	Y 1228	5	31		8	26	Y 5062	1	51
	3	52		7	29	Y 3636	10	1	Y 5071	4	51,62
	5	46	Y 1326	1	3,34	Y 3637	4	36		6	51
Y 364	3	2		2	21,23	Y 3654	10	8,67		7	2
Y 419	11	34		3	51	Y 4313	4	78	Y 5074	4	10
Y 451	9	7,25		7	39	Y 4351	1	23	Y 5076	3	33
Y 494	6	21	Y 1330	1	29	Y 4353	1	18	Y 5077	3	48
Y 509	11	24		2	24		3	43	Y 5089	1	2,44
Y 520	4	40		3	13		8	14	Y 5094	4	9
	6	43	Y 1333	3	34		11	18	Y 5095	2	15
	7	25,36	Y 1435	10	11,16,27,34	Y 4357	5	16	Y 5098	4	20,21
Y 526	10	2	Y 1448	10	64		6	12	Y 5131	1	20
Y 527	10	24	Y 1457	2	5	Y 4358	1	36	Y 5133	10	60
Y 529	3	49		6	10		6	39	Y 5345	6	60
Y 532	2	22		10	4,71	Y 4402	10	58		7	10
Y 538	3	42	Y 1459	1	4,35	Y 4404	4	23,27		9	15
	5	19		5	38	Y 4437	5	13	Y 5401	4	30
Y 550	11	17	Y 1733	6	3		1	9	Y 5490	3	41
Y 563	3	3,8	Y 2237	7	27,40		4	38	Y 5492	3	50
Y 567	1	50		8	2		7	33	Y 5500	4	39
	11	15	Y 3311	4	32	Y 4438	3	19		6	44
Y 570	3	9		6	41		6	16		7	24,35
Y 690	5	49	Y 3404	6	50	Y 4440	1	28,33	Y 5505	5	45
Y 697	1	17	Y 3405	8	43		2	2	Y 5507	6	25
Y 722	9	34,46	Y 3406	6	4		4	11	Y 5508	4	49

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Y 5509	5	17	Y 7650	6	32	Y30305	7	42	Y32632	3	6
Y 5510	9	21	Y	10	37,48	Y30421	4	16	Y32644	4	73
Y 5511	6	1	Y 7668	11	13		12	5	Y32645	4	31
Y 5512	9	9	Y 7817	9	41	Y30711	11	38	Y32646	4	59,75
Y 5514	6	5	Y 8144	9	1	Y32365	2	1	Y32647	10	5
Y 5516	3	7	Y 9106	1	12	Y32372	6	27	Y32648	10	70
Y 5520	4	57,69	Y 9127	5	48	Y32420	5	22	Y32649	11	3
	9	2,4,6	Y 9142	3	46	Y32421	3	30	Y32650	10	69
Y 5541	5	15		6	38	Y32422	9	30	Y32651	4	79
Y 5550	5	42	Y 9150	1	1	Y32424	3	45	Y32652	10	3
	6	7,56		2	27	Y32425	4	85	Y32653	10	13
	7	19,21,44		3	40	Y32426	4	84	Y32662	4	70
	9	17,18,26	Y 9203	10	57	Y32476	11	32	Y32663	3	18
Y 6000	5	4	Y 9209	10	20,22,29,33,39,43,45,62,68	Y32479	11	30	Y32670	4	63
Y 6040	2	12				Y32480	11	35	Y32684	10	6
Y 6093	5	34	Y 9503	11	22	Y32519	4	67	Y32685	1	53
Y 6261	11	12	Y 9506	6	48	Y32577	3	39	Y32706	5	12
Y 6330	11	20	Y 9517	4	56,72	Y32597	2	25	Y32711	5	3
Y 6401	5	44	Y 9604	4	54,61,68,76	Y32604	1	10	Y32713	5	14
Y 6542	3	21		7	12,13,46		2	11	Y32714	5	2
Y 6543	9	32		8	13		4	5	Y32715	5	1
Y 6661	3	20		11	2,31	Y32606	1	31	Y32716	5	47
Y 6816	4	4	Y 9730	8	16	Y32607	1	32	Y32717	5	40
Y 6819	3	14	Y 9852	3	32	Y32608	1	27	Y32718	5	41
Y 6910	3	5	Y 9853	1	52	Y32609	1	37	Y32719	5	37
Y 7006	12	14		11	5,8	Y32612	1	38,49	Y32720	5	36
Y 7302	4	87	Y 9909	11	11,33	Y32614	3	38	Y32721	5	20
Y 7302	1	45	Y01111	3	24	Y32615	3	37	Y32722	5	9
Y 7311	4	60		9	33,42	Y32617	1	6	Y32723	5	7
Y 7405	4	26	Y30126	2	13	Y32618	1	13	Y32724	5	8
Y 7605	2	10	Y30227	10	36	Y32619	1	48	Y32725	5	11
	4	18	Y30254	3	28	Y32620	1	46	Y32726	5	43
	8	7		9	37	Y32622	1	47	Y32727	5	23
Y 7606	2	9	Y30255	3	27	Y32624	2	3	Y32728	5	10
Y 7609	8	15	Y30291	10	38,40,72	Y32627	3	47	Y32729	5	39
Y 7616	4	47				Y32628	2	16	Y32775	10	52

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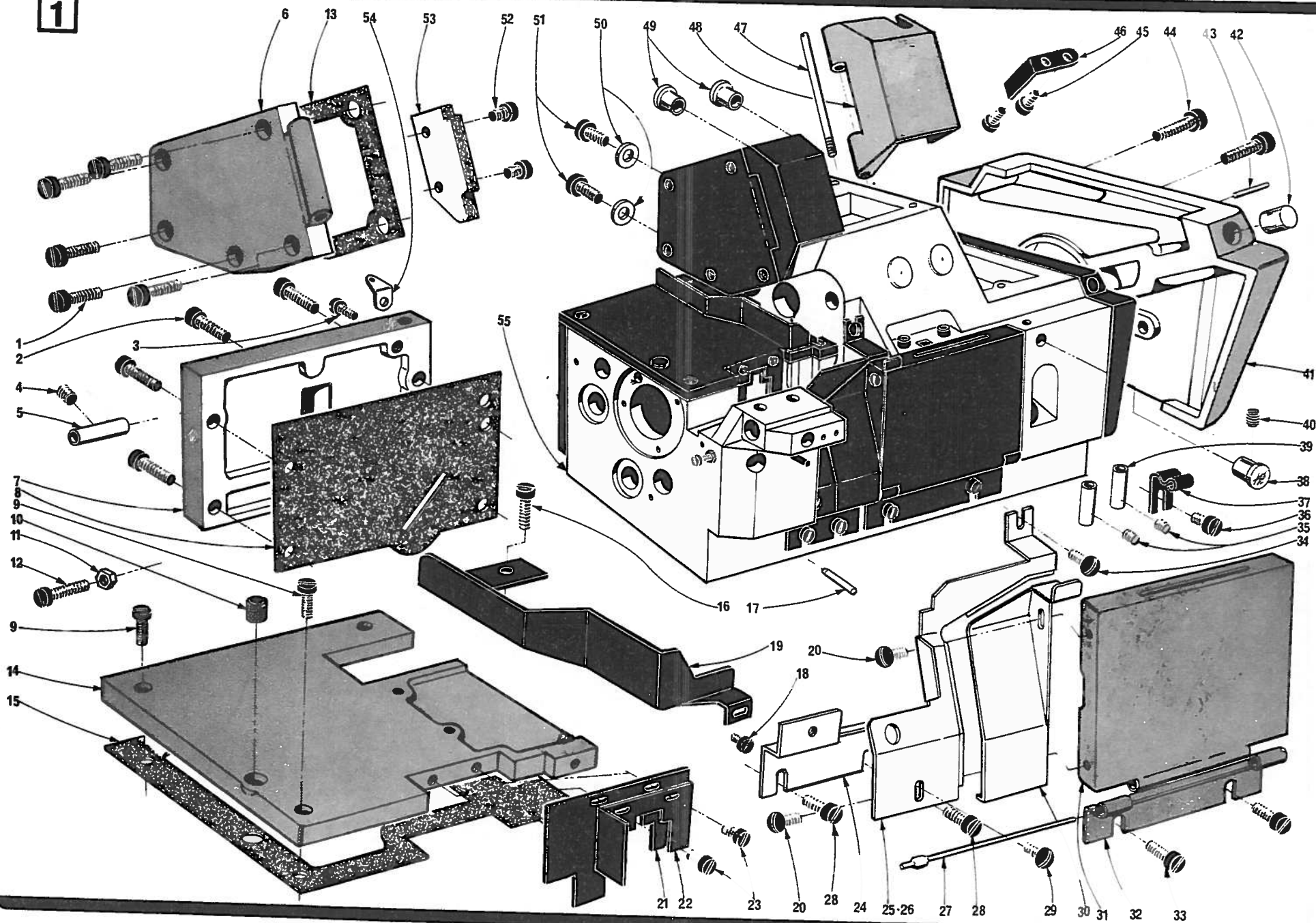
Parts No.	Plate No.	Ref. No.	Parts No.	Plate No.	Ref. No.	Parts No.	Plate No.	Ref. No.	Parts No.	Plate No.	Ref. No.
Y32777	10	51	Y32902	4	55	Y33012	6	15	Y33067	8	35
Y32778	10	50	Y32903	4	33	Y33013	6	59	Y33068	7	7
Y32779	10	49	Y32904	10	65		7	9	Y33069	10	41
Y32781	10	63	Y32905	10	14		9	14	Y33070	10	21
Y32782	10	31	Y32906	10	7	Y33014	6	58	Y33071	7	22
Y32783	6	53	Y32911	4	42		7	8	Y33072	7	15
Y32784	6	52	Y32912	4	46		9	13	Y33073	7	14
Y32785	6	49	Y32913	4	41	Y33015	8	49	Y33074	7	18
Y32786	6	54	Y32914	4	43	Y33016	1	8	Y33076	7	47
Y32787	6	47	Y32916	4	15	Y33017	2	4	Y33077	10	35
Y32789	7	26,37	Y32917	4	17	Y33020	1	25	Y33079	10	26
Y32790	7	41	Y32919	4	13	Y33021	1	30	Y33080	10	32
Y32792	6	57	Y32920	4	58	Y33022	1	24	Y33081	7	28
	9	19	Y32921	4	53,74	Y33024	2	6	Y33086	4	25
Y32793	10	66		7	17		5	6	Y33087	4	24
Y32799	6	30		8	1	Y33026	12	13	Y33088	4	22
Y32800	6	31	Y32924	3	36	Y33029	2	14	Y33089	4	19
Y32802	10	44	Y32925	10	47	Y33030	3	4	Y33090	4	28
Y32803	6	26	Y32930	3	35	Y33037	6	14	Y33091	8	31
Y32804	6	34	Y32938	11	28	Y33038	6	13	Y33092	8	29
Y32806	11	16	Y32952	9	36	Y33051	10	19	Y33093	8	Special
Y32807	6	24	Y32955	2	17	Y33052	10	25	Y33094	9	8
Y32812	11	1	Y32958	2	18	Y33053	10	56	Y33095	9	24
Y32817	10	54	Y32959	7	38	Y33054	7	34	Y33098	9	29,48
Y32818	10	53	Y32960	2	20	Y33055	10	30	Y33099	9	28,47
Y32819	4	50,64	Y32963	1	39	Y33056	7	1	Y33100	9	23
Y32848	6	45	Y32965	3	29	Y33057	7	3	Y33101	10	9
Y32849	6	46		9	38	Y33058	7	32	Y33102	10	10
Y32850	11	27	Y33001	1	55	Y33059	7	30	Y33103	10	15
Y32859	8	20	Y33003	2	7	Y33060	7	23	Y33104	9	27
Y32865	8	25	Y33004	2	8	Y33061	10	73	Y33105	9	12
Y32867	8	32	Y33005	1	7	Y33062	10	18	Y33106	9	11
Y32868	10	23	Y33006	4	6	Y33063	7	6	Y33107	9	5
Y32897	11	25	Y33008	1	14	Y33064	7	20	Y33108	9	3
Y32899	4	12	Y33009	1	22	Y33065	7	45	Y33110	8	3
Y32900	4	52	Y33010	1	19	Y33066	7	5	Y33114	8	6

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Y33116	8	33	Y33206	4	2	Y34516	6	33	Y90320	4	81
Y33117	6	9	Y33207	1	54	Y34517	6	55	Y90321	4	80
Y33118	9	16	Y33208	3	10	Y34518	10	46			
Y33119	10	28	Y33209	3	11	Y34520	6	22			
Y33120	9	20	Y33230	7	11	Y34521	9	10			
Y33121	9	22	Y33235	1	26	Y34526	10	61			
Y33122	8	5	Y33245	8	Special	Y34761	3	38			
Y33123	8	46	Y33247	4	35	Y34762	2	26			
Y33127	8	4	Y33250	4	19	Y34763	3	22	Y32813	6	61
Y33129	1	15	Y33265	10	17	Y34764	3	44			
Y33131	4	7	Y33274	9	39	Y34765	3	16			
Y33133	6	6	Y33279	11	10	Y34771	12	15			
Y33137	8	22	Y33280	11	14	Y34773	1	41			
Y33139	8	45	Y33281	11	7	Y37372	4	34			
Y33140	4	44	Y33282	11	6	Y37631	9	44			
Y33141	8	34	Y33284	3	12	Y37632	9	43			
Y33142	4	65	Y33304	5	32	Y37635	3	26			
Y33143	6	8	Y33305	5	26		9	35			
Y33144	11	19	Y33328	8	12	Y37636	9	45			
Y33148	11	4	Y33515	5	30	Y37675	11	26			
Y33149	4	8	Y33526	5	33	Y37697	11	29			
Y33150	11	23	Y33529	5	28	Y37901	12	22			
Y33155	1	42	Y33537	5	24	Y37902	12	23			
Y33157	11	9	Y33539	5	24	Y37903	12	8			
Y33159	1	5	Y33540	8	30	Y37909	12	9			
Y33167	4	86	Y33544	8	12	Y37913	12	21			
Y33170	4	3	Y33545	8	30	Y37915	12	2			
Y33171	8	11	Y33546	8	Special	Y37916	12	6			
Y33172	8	Special	Y33547	8	11	Y37919	12	7			
Y33173	8	10	Y33548	8	10	Y37922	12	4			
Y33174	8	8	Y33549	8	Special	Y37932	12	18			
Y33176	1	21	Y33559	8	Special	Y37937	12	20			
Y33200	6	11	Y34010	2	19	Y37943	12	19			
Y33203	6	18	Y34104	6	42	Y37944	12	3			
Y33204	6	19	Y34224	6	40	Y37945	12	1			

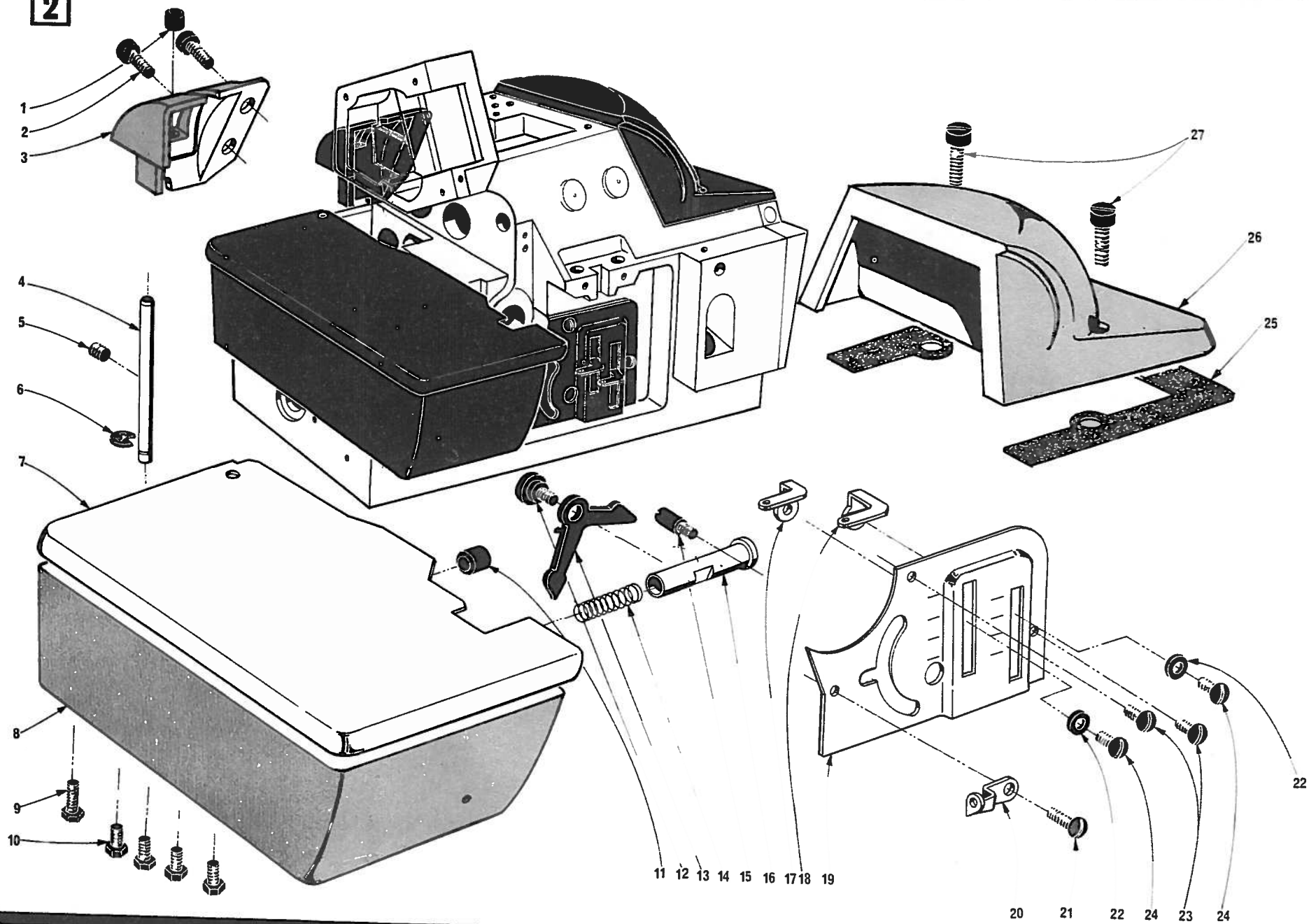
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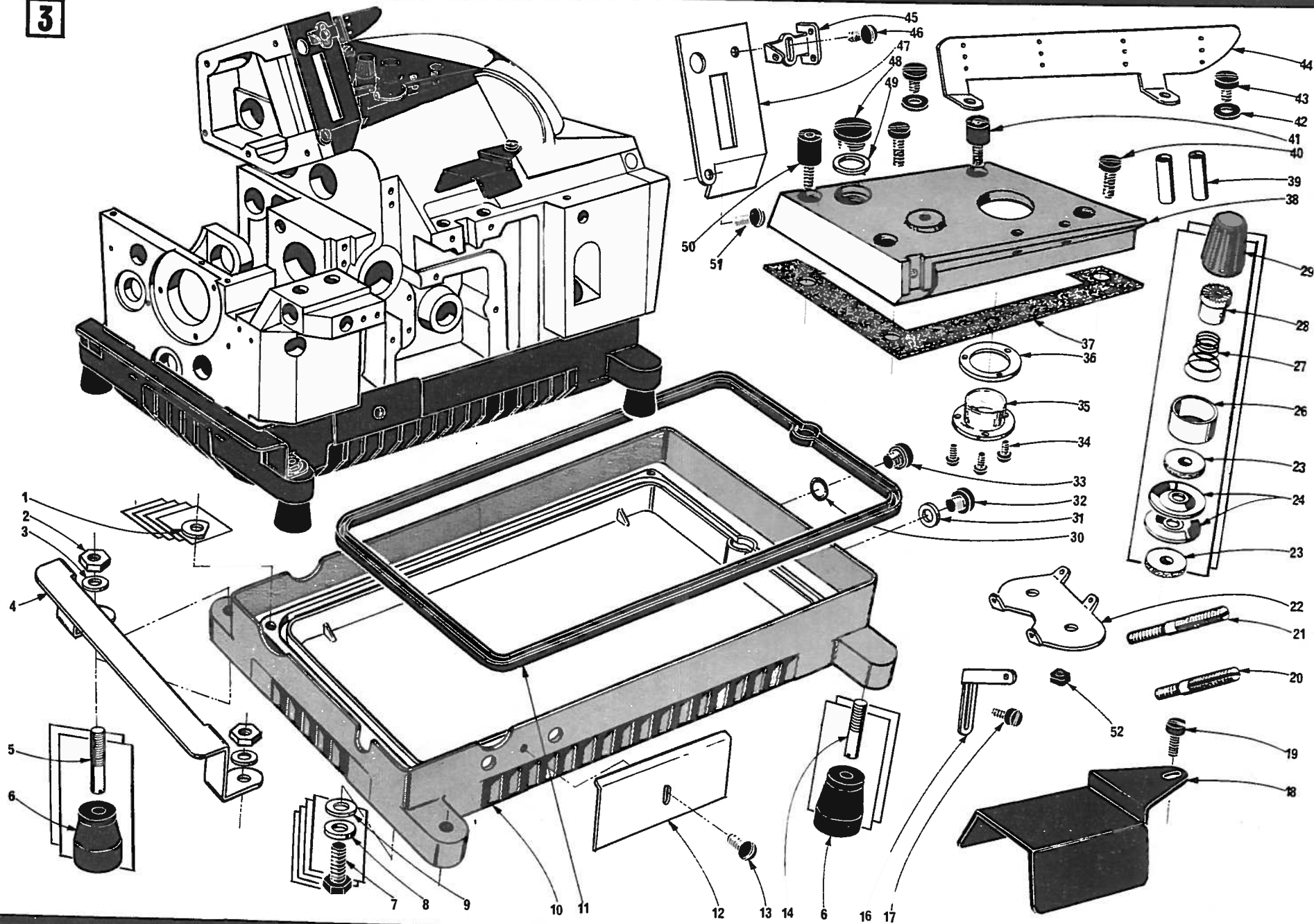
<u>Ref. No.</u>	<u>Parts No.</u>	<u>Description</u>	<u>Amt. Req.</u>	<u>Ref. No.</u>	<u>Parts No.</u>	<u>Description</u>	<u>Amt. Req.</u>
1	Y 9150	Screw for Y32617	5	28	Y 4440	Screw for Y33022	2
2	Y 5089	Screw for Y33005	4	29	Y 1330	Screw for Y33020, Y33235	1
3	Y 1326	Screw for Y33207	1	30	Y33021	Chip Guard (Open)	1
4	Y 1459	Screw for Y33159	1	31	Y32606	Front Cover	1
5	Y33159	Looper Thread Guide Tube	1	32	Y32607	Front Cover Hinge	1
6	Y32617	Side Cover	1	33	Y 4440	Screw for Y32607	2
7	Y33005	Cloth Plate Hinge	1	34	Y 1326	Screw for Y33020, Y33235	1
8	Y33016	Cloth Plate Hinge Gasket	1	35	Y 1459	Screw for Y32963	2
9	Y 4437	Screw for Y33008	2	36	Y 4358	Screw for Y32609	1
10	Y32604	Cloth Plate Rubber Cushion	1	37	Y32609	Front Cover Latch Spring	1
11	Y 340	Nut for Y33003	1	38	Y32612	Front Seal Plug	1
12	Y 9106	Cloth Plate Positioning Screw	1	39	Y32963	Looper Thread Tube	2
13	Y32618	Side Cover Gasket	1	40	Y 3434	Screw for Y32612	1
14	Y33008	Feed Mechanism Cover	1	41	Y34773	Belt Cover	1
15	Y33129	Feed Mechanism Cover Gasket	1	42	Y33155	Pulley Graduation Sight Window	1
16	Y 4441	Screw for Y33010	1	43	Y 732	Pulley Graduation Arrow	1
17	Y 697	Cloth Plate Latch	1	44	Y 5089	Screw for Y34773	2
18	Y 4353	Screw for Y33010	1	45	Y 7302	Screw for Y32620	2
19	Y33010	Fabric Guard	1	46	Y32620	Needle Thread Cover Latch Spring ..	1
20	Y 5131	Screw for Y33021	2	47	Y32622	Needle Thread Cover Pin	1
21	Y33176	Feed Mechanism Front Shield Rubber (Upper)	1	48	Y32619	Needle Thread Cover	1
22	Y33009	Feed Mechanism Front Shield (Upper).	1	49	Y32612	Rear Seal Plug	2
23	Y 4351	Screw for Y33009	2	50	Y 567	Seals for Y5062	2
24	Y33022	Chip Guard Supporter	1	51	Y 5062	Oil Hole Screw	2
25	Y33020	Chip Guard (Fix) for 650-2	1	52	Y 9853	Screw for Y32685	2
26	Y33235	Chip Guard (Fix) for 650-1	1	53	Y32685	Needle Bar Oiling Felt	1
27	Y32608	Front Cover Hinge Pin	1	54	Y33207	Cloth Plate Hinge Eyelet	1
				55	Y33001	Frame	1

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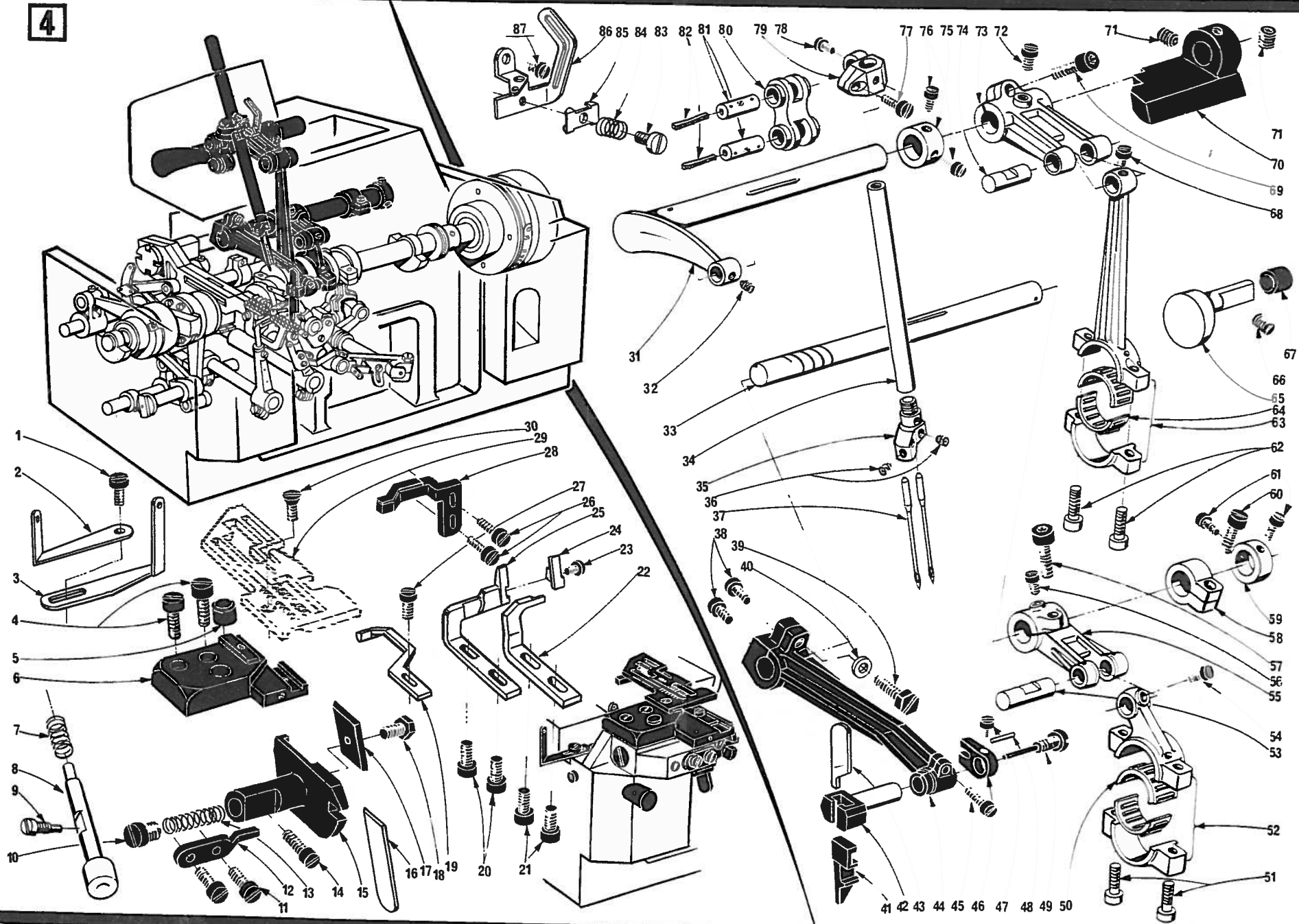


2	<u>Ref.</u> <u>No.</u>	<u>Parts</u> <u>No.</u>	<u>Description</u>	<u>Amt.</u> <u>Req.</u>
	1	Y32365	Presser Foot Release Lever Cushion ..	1
	2	Y 4440	Screw for Y32624	2
	3	Y32624	Foot Lifter Hinge Cover	1
	4	Y33017	Cloth Plate Hinge Pin	1
	5	Y 1457	Screw for Y33017	1
	6	Y33024	Cloth Plate Hinge Pin Retaining Ring.	1
	7	Y33003	Cloth Plate (Upper)	1
	8	Y33004	Cloth Plate (Lower)	1
	9	Y 7606	Screw for Y33003	1
	10	Y 7605	Screw for Y33003	4
	11	Y32604	Cloth Plate Rubber Cushion	1
	12	Y 6040	Screw for Y30126	1
	13	Y30126	Cloth Plate Latch	1
	14	Y33029	Cloth Plate Latch Spring	1
	15	Y 5095	Stopper for Y30126	1
	16	Y32628	Cloth Plate Latch Plunger	1
	17	Y32955	Looper Thread Eyelet (Right)	1
	18	Y32958	Looper Thread Eyelet (Left)	1
	19	Y34010	Looper Thread Eyelet Supporter	1
	20	Y32960	Lower Looper Thread Eyelet	1
	21	Y 1326	Screw for Y32960	1
	22	Y 532	Washer for Y32955, Y32958	2
	23	Y 1326	Screw for Y34010	2
	24	Y 1330	Screw for Y32955, Y32958	2
	25	Y32597	Top Cover (Right) Gasket	1

<u>Ref.</u> <u>No.</u>	<u>Parts</u> <u>No.</u>	<u>Description</u>	<u>Amt.</u> <u>Req.</u>
26	Y34762	Top Cover (Right)	1
27	Y 9150	Screw for Y34762	2



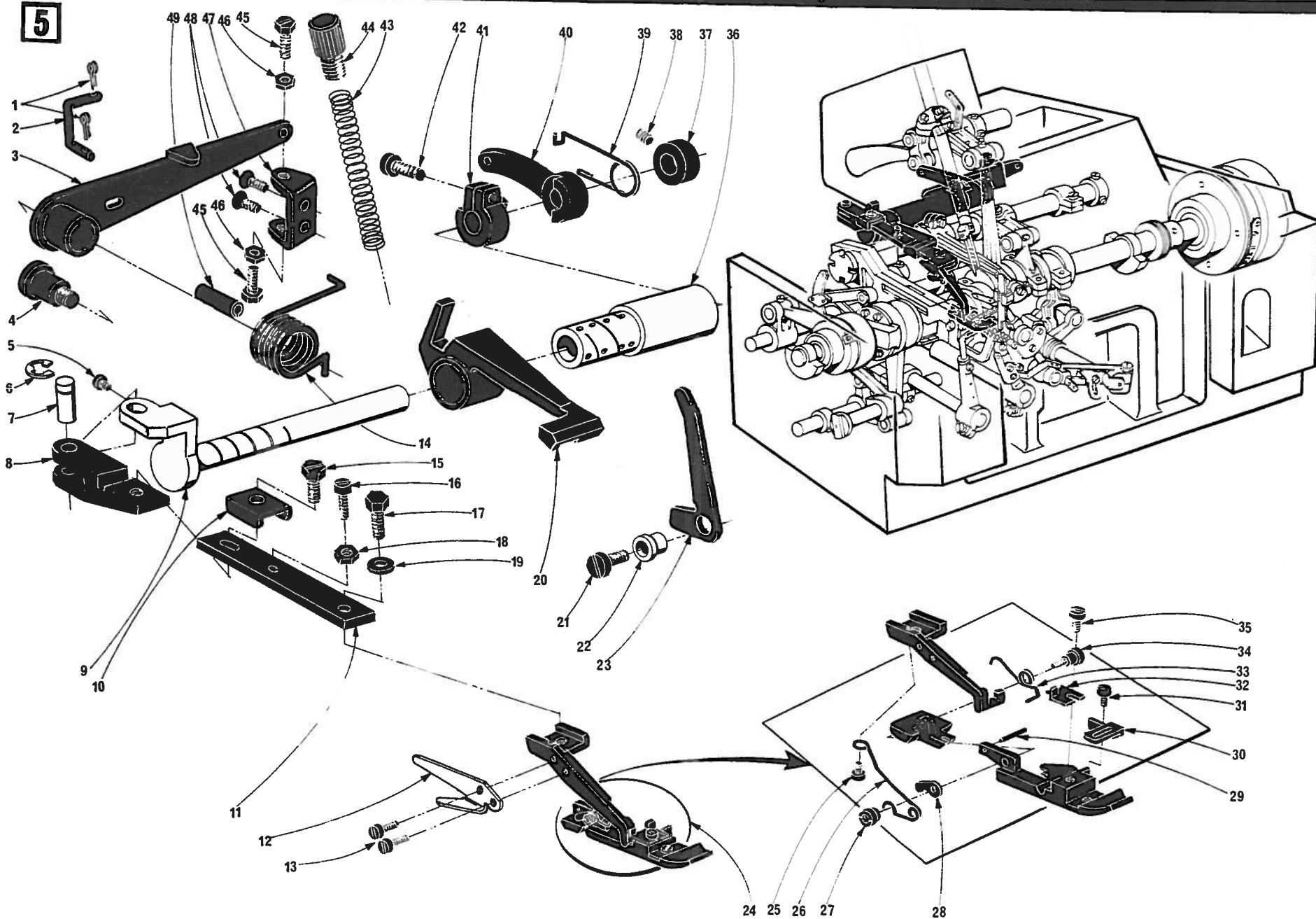
3	Ref.	Parts	Description	Amt. Req.	Ref.	Parts	Description	Amt. Req.
	No.	No.			No.	No.		
	1	Y 317	Base Seals for Y33208	4	28	Y30254	Tension Spring Pushing	2
	2	Y 364	Nut for Y33030	2	29	Y32965	Thread Tension Spring Cap	2
	3	Y 563	Washer for Y33030	2	30	Y32421	Oil Drain Hole Seal (Inner)	1
	4	Y33030	Frame Hanger	1	31	Y 316	Oil Drain Hole Seal (Outer)	1
	5	Y 6819	Screw for Y32632	2	32	Y 9852	Oil Drain Hole Screw (Outer)	1
	6	Y32632	Base Rubber Cushion	4	33	Y 5076	Oil Drain Hole Screw (Inner)	1
	7	Y 5516	Screw for Y33208	4	34	Y 1333	Screw for Y32930	3
	8	Y 563	Washer for Y33208	4	35	Y32930	Oil Sight Top Window	1
	9	Y 570	Seal for Y33208	4	36	Y32924	Oil Sight Top Window Seal	1
	10	Y33208	Base	1	37	Y32615	Top Cover (Left) Gasket	1
	11	Y33209	Base Gasket	1	38	Y34761	Top Cover (Left)	1
	12	Y33284	Base Front Plate	1	39	Y32577	Looper Thread Tube	2
	13	Y 1330	Screw for Y33284	1	40	Y 9150	Screw for Y34761	2
	14	Y 6816	Screw for Y32632	2	41	Y 5490	Screw for Y34761	1
	16	Y34765	Double Chain Stitch Needle Thread Eyelet	1	42	Y 538	Washer for Y34764	2
	17	Y 1196	Screw for Y34765	1	43	Y 4353	Screw for Y34764	2
	18	Y32663	Worm Oil Shield	1	44	Y34764	Thread Lead	1
	19	Y 4438	Screw for Y32663	1	45	Y32424	Needle Thread Eyelet	1
	20	Y 6543	Tension Post for Double Chain Stitch.	1	46	Y 9142	Screw for Y32424	1
	21	Y 6542	Tension Post for Overseam	1	47	Y32627	Needle Bar Connecting Link Cover .	1
	22	Y34763	Tension Disc Eyelet for Needle Thread	1	48	Y 5077	Oil Hole Screw	1
	23	Y 286	Felt for Tension Disc	4	49	Y 529	Seal for Oil Hole Screw	1
	24	Yo1111	Tension Disc	4	50	Y 5492	Screw for Y34761	1
	26	Y37635	Thread Tension Spring Retainer	2	51	Y 1326	Screw for Y32424	1
	27	Y30255	Needle Thread Tension Spring	2	52	Y 340	Nut for Tension Post	1



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Ref. No.	Parts No.	Description	Amt. Req.	Ref. No.	Parts No.	Description	Amt. Req.
1	Y 5043	Screw for Y33206 & Y33170	1	44	Y33140	Upper Knife Driving Arm	1
2	Y33206	Front Looper Thread Eyelet (Left)	1	45	Y 1174	Screw for Y32911	1
3	Y33170	Front Looper Thread Eyelet (Right)	1	46	Y32912	Upper Knife Holder Guide	1
4	Y 6661	Screw for Y33006	2	47	Y 7616	Screw for Y32912	1
5	Y32604	Cloth Plate Rubber Cushion	1	48	Y 723	Guide Pin for Y32912	1
6	Y33006	Throat Plate Supporter	1	49	Y 5508	Screw for Y32913	1
7	Y33131	Feed Dog Regulating Pushbutton Spring ...	1	50	Y32819	Upper Knife Connecting Rod Rollar	2
8	Y33149	Feed Dog Regulating Pushbutton	1	51	Y 5071	Screw for Y32900	2
9	Y 5094	Screw for Y33149	1	52	Y32900	Upper Knife Driving Connecting Rod	1
10	Y 5074	Screw for Y32919	1	53	Y32921	Upper Knife Driving Connecting Rod Pin .	1
11	Y 4440	Screw for Y32899	2	54	Y 9604	Screw for Y32921	1
12	Y32899	Lower Knife Holder Locking Plate	1	55	Y32902	Upper Knife Driving Lever	1
13	Y32919	Lower Knife Holder Spring	1	56	Y 9517	Sub Screw for Y32902	1
14	Y 4591	Screw for Y32916	1	57	Y 5520	Main Screw for Y32902	1
15	Y32916	Lower Knife Holder	1	58	Y32920	Upper Knife Driving Shaft Collar (Left).	1
16	Y30421	Lower Knife	1	59	Y32646	Upper Knife Driving Shaft Collar(Right).	1
17	Y32917	Lower Knife Clamp	1	60	Y 7311	Screw for Y32920	1
18	Y 7605	Screw for Y32917	1	61	Y 9604	Screw for Y32646	2
19		Needle Guard (Double Chain Stitch) Front		62	Y 5071	Screw for Y32670	2
	Y33089	for 650-2	1	63	Y32670	Needle Bar Connecting Rod	1
	Y33250	for 650-1	1	64	Y32819	Needle Bar Connecting Rod Rollar	2
20	Y 5098	Screw for Y33086	2	65	Y33142	Upper Knife Driving Arm Guide	1
21	Y 5098	Screw for Y33088	2	66	Y 3434	Screw for Y33142	1
22	Y33088	Needle Guard (Double Chain Stitch) Rear		67	Y32519	Upper Knife Driving Arm Guide Plug	1
		for 650-1, 650-2	1	68	Y 9604	Screw for Y32921	1
23	Y 4404	Screw for Y33087	1	69	Y 5520	Main Screw for Y32644	1
24	Y33087	Needle Guard (Overlock) Front	1	70	Y32662	Needle Bar Driving Crank Counterweight .	1
25	Y33086	Needle Guard (Overlock) Rear	1	71	Y 3635	Screw for Y32662	2
26	Y 7405	Screw for Y33090	2	72	Y 9517	Sub Screw for Y32644	1
27	Y 4404	Screw for Y33089, Y33250	1	73	Y32644	Needle Bar Driving Lever	1
28	Y33090	Throat Plate Stay	1	74	Y32921	Needle Bar Connecting Rod Pin	1
29		Throat Plate (Refer to Page 8, No.30) ...		75	Y32646	Needle Bar Driving Crank Collar	1
30	Y 5401	Screw for Throat Plate	1	76	Y 9604	Screw for Y32646	2
31	Y32645	Needle Bar Driving Crank	1	77	Y 1186	Screw for Y32651	1
32	Y 3311	Screw for Y32645 (Y90320)	1	78	Y 4313	Screw for Y32651 (Y90320)	1
33	Y32903	Upper Knife Driving Shaft	1	79	Y32651	Needle Bar Connecting Bracket	1
34	Y37372	Needle Bar	1	80	Y90321	Needle Bar Connection Link	1
35		Needle Holder		81	Y90320	Needle Bar Connection Link Pin	2
	Y38101	for 650-2	1	82	Y 282	Oil Wick for Y90320	2
	Y33247	for 650-1	1	83	Y 1092	Screw for Y32426	1
36	Y 3637	Screw for Needle	2	84	Y32426	Needle Bar Thread Retainer Spring	1
37		Needles, 29-C650 & 29-C600 (Specify size)	2	85	Y32425	Needle Bar Thread Retainer Plate	1
38	Y 4437	Sub Screw for Y33140	2	86	Y33167	Needle Bar Thread Retainer Bracket	1
39	Y 5500	Main Screw for Y33140	1	87	Y 7006	Screw for Y33167	1
40	Y 520	Washer for Y33140	1				
41	Y32913	Upper Knife Clamp	1				
42	Y32911	Upper Knife Holder	1				
43	Y32914	Upper Knife	1				

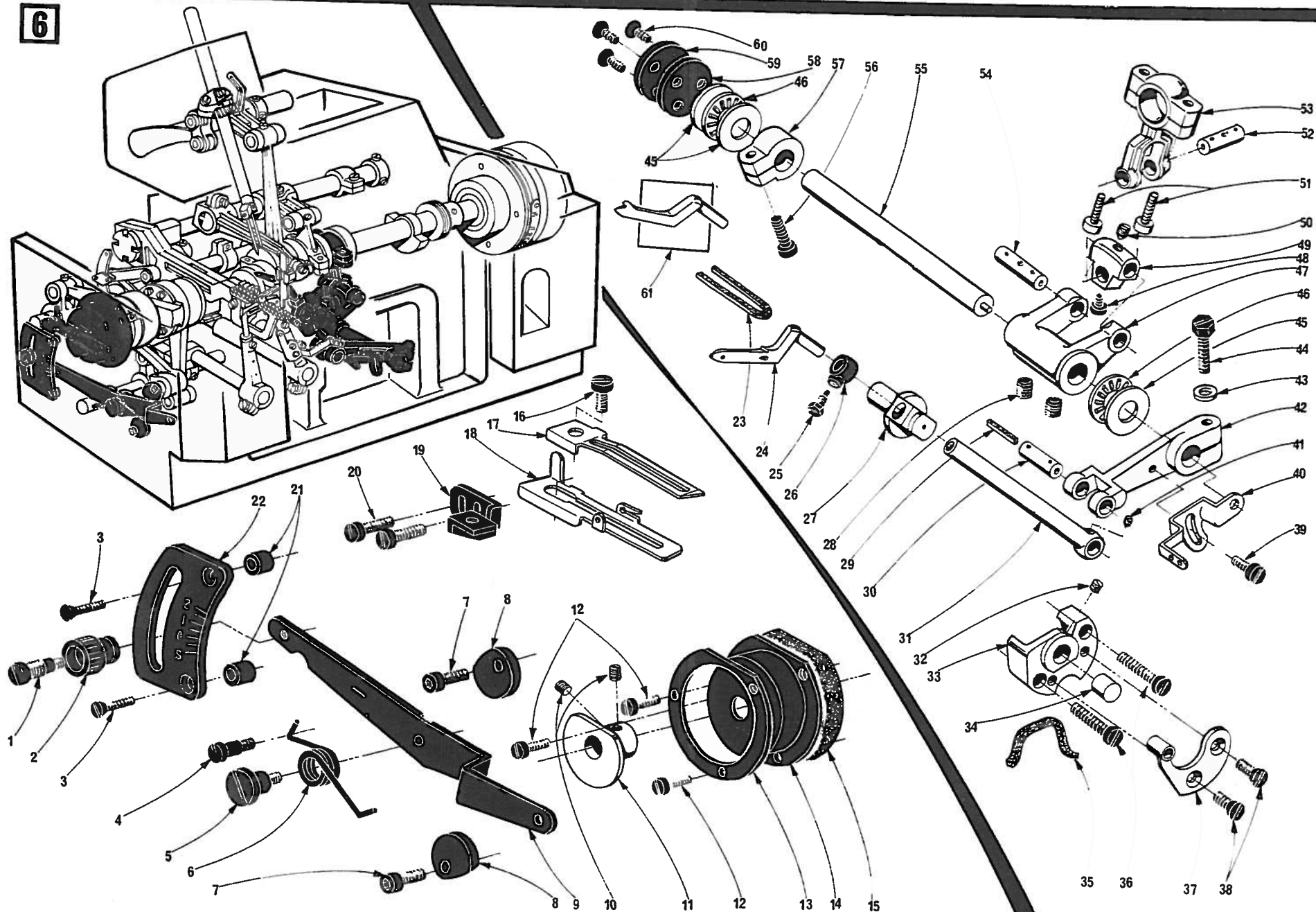
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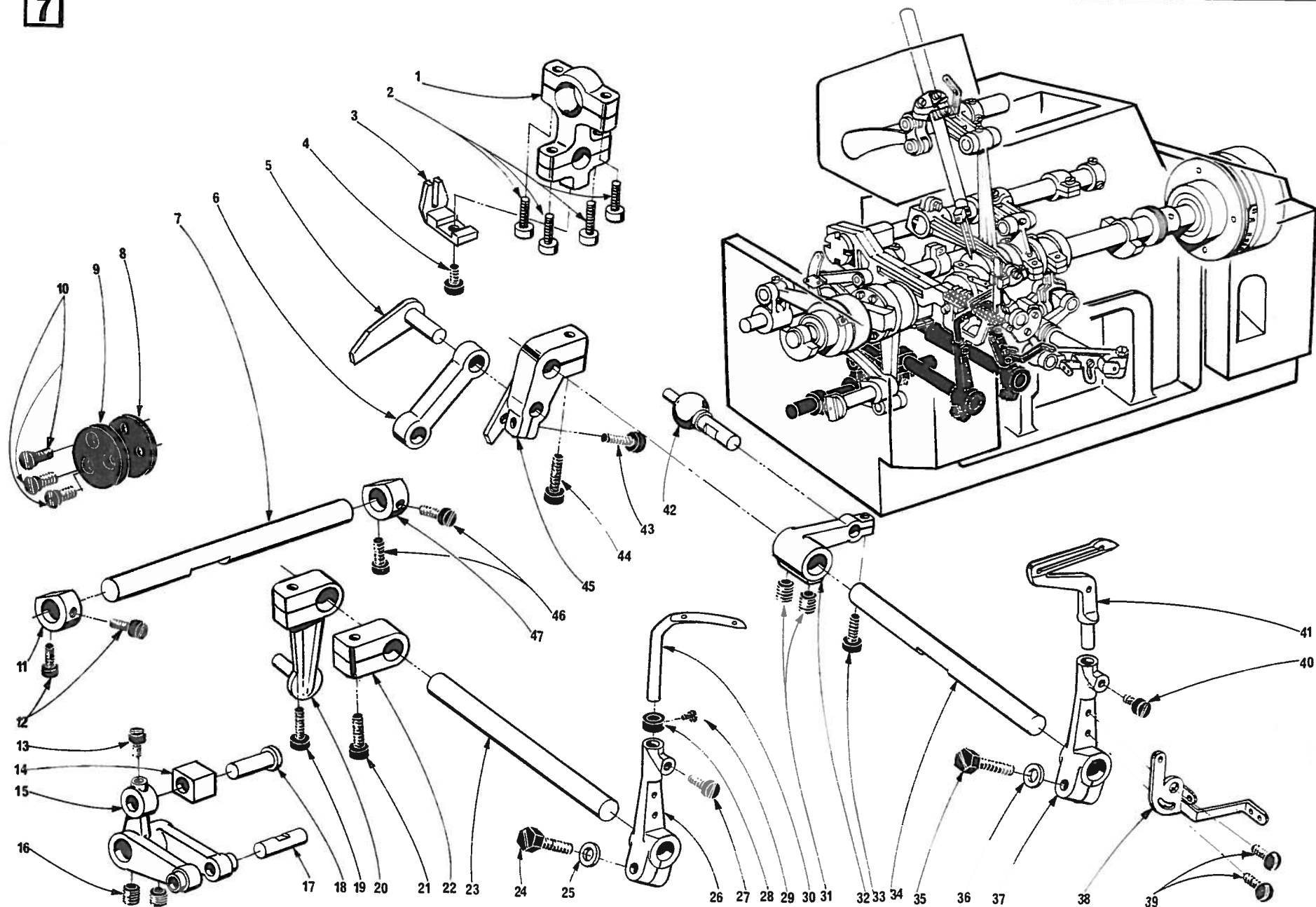
5	Ref. No.	Parts No.	Description	Amt. Req.
	1	Y32715	Cotter Pin	2
	2	Y32714	Foot Lifter Lever Connecting Link ..	1
	3	Y32711	Foot Lifter Lever	1
	4	Y 6000	Screw for Y32711	1
	5	Y 1208	Screw for Y32723	1
	6	Y33024	Foot Lifter Hinge Pin Retaining Ring	1
	7	Y32723	Foot Lifter Hinge Pin	1
	8	Y32724	Foot Carrier Hinge	1
	9	Y32722	Foot Lifter Lever Shaft	1
	10	Y32728	Foot Carrier Washer	1
	11	Y32725	Foot Carrier	1
	12	Y32706	Chain Cutting Knife	1
	13	Y 4404	Screw for Y32706	2
	14	Y32713	Foot Lifter Lever Spring	1
	15	Y 5541	Screw for Y32725	1
	16	Y 4357	Stop Screw for Presser Foot	1
	17	Y 5509	Screw for Presser Foot	1
	18	Y 322	Nut for Y4357	1
	19	Y 538	Washer for Y5509	1
	20	Y32721	Presser Foot Positioning Arm	1
	21	Y 4635	Screw for Y32420	1
	22	Y32420	Presser Foot Release Lever Bushing .	1
	23	Y32727	Presser Foot Release Lever	1
	24		Presser Foot Complete Set	
		Y33537	for 650-2	1
		Y33539	for 650-1	1
	25	Y 1226	Screw for Y33305	1
	26	Y33305	Presser Foot Spring (Large)	1

Ref. No.	Parts No.	Description	Amt. Req.
27	Y 216	Nut for Y6093	1
28	Y33529	Presser Foot Adjusting Plate	1
29	Y 731	Presser Foot Pin	1
30	Y33515	Presser Foot Chip Guard	1
31	Y 1228	Screw for Y33515	1
32	Y33304	Presser Foot Hinge Spring	1
33	Y33526	Presser Foot Spring (Small)	1
34	Y 6093	Screw for Y33526	1
35	Y 5036	Screw for Y33304	1
36	Y32720	Foot Lifter Bushing	1
37	Y32719	Foot Lifter Small Collar	1
38	Y 1459	Screw for Y32719	1
39	Y32729	Intermediate Lever Spring	1
40	Y32717	Intermediate Lever	1
41	Y32718	Foot Lifter Latch Collar	1
42	Y 5550	Screw for Y32718	1
43	Y32726	Presser Spring	1
44	Y 6401	Presser Spring Adjusting Screw ...	1
45	Y 5505	Adjust Screw for Y32711	2
46	Y 340	Nut for Y5505	2
47	Y32716	Foot Lifter Lever Stopper	1
48	Y 9127	Screw for Y32716	2
49	Y 690	Latch Pin for Y32713	1

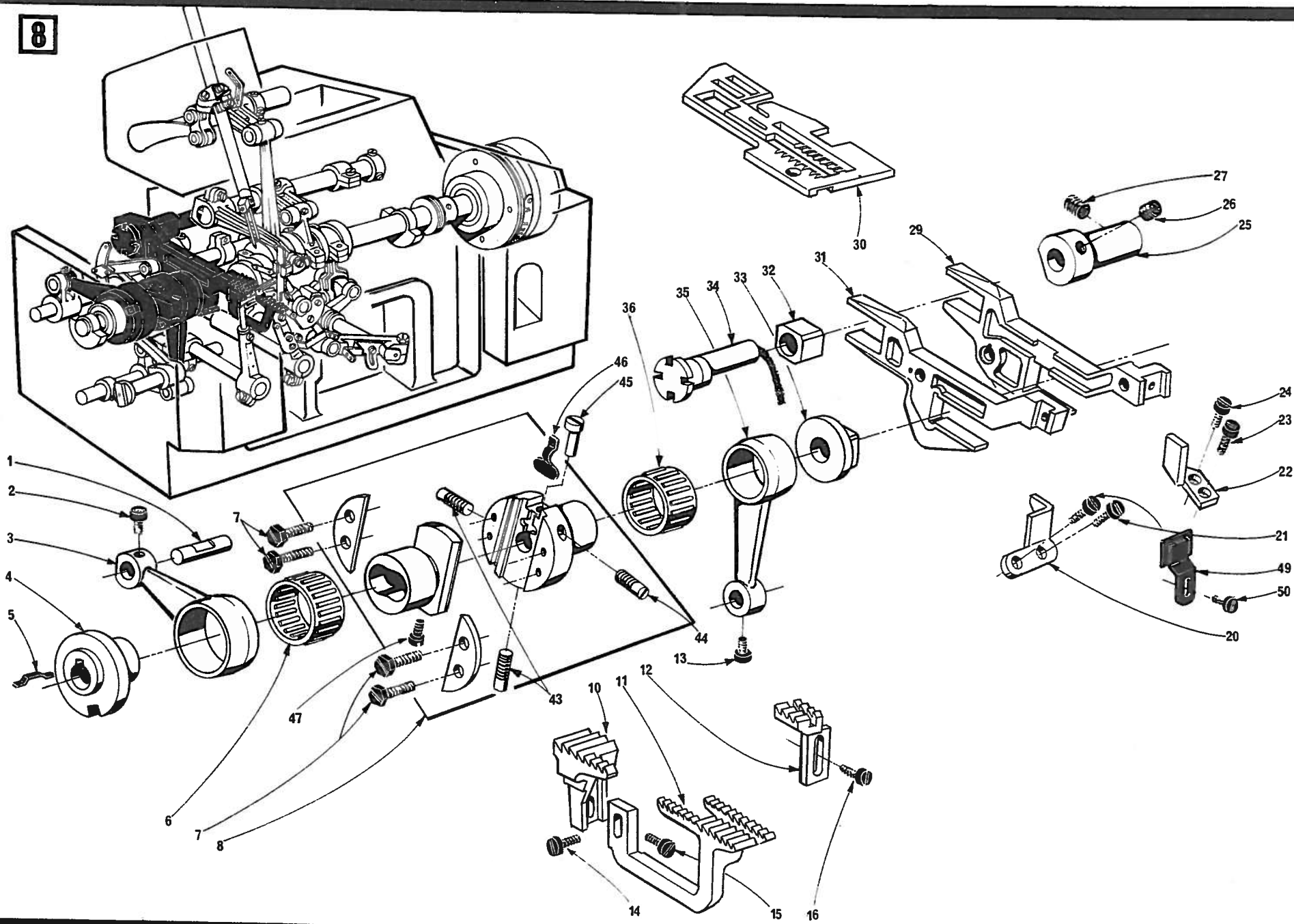
6



6 Ref. No.	Parts No.	Description	Amt. Req.	Ref. No.	Parts No.	Description	Amt. Req.
1	Y 5511	Adjust Screw for Y33117	1	39	Y 4358	Screw for Y34224	1
2	Y 210	Adjust Nut for Y33117	1	40	Y34224	Looper Thread Pull-Off (Right) ...	1
3	Y 1733	Screw for Y34520	2	41	Y 3311	Screw for Y32789	1
4	Y 3406	Latch Screw for Y33133	1	42	Y34104	Upper Looper Bar Driving Arm	1
5	Y 5514	Screw for Y33133	1	43	Y 520	Washer for Y34104	1
6	Y33133	Differential Feed Control Lever Spring	1	44	Y 5500	Screw for Y34104	1
7	Y 5550	Screw for Y33143	2	45	Y32848	Upper Looper Driving Shaft	
8	Y33143	Differential Feed Control Lever Stopper				Thrust Washer	3
			2	46	Y32849	Upper Looper Driving Shaft	
9	Y33117	Differential Feed Control Lever	1			Thrust Roller	2
10	Y 1457	Screw for Y33200	2	47	Y32787	Upper Looper Driving Lever	1
11	Y33200	Front Looper Thread Take-Up	1	48	Y 9506	Screw for Y32784	1
12	Y 4357	Screw for Y33037	3	49	Y32785	Looper Driving Lever Link	1
13	Y33038	Crankshaft Small Rollar Cap Clamp ..	1	50	Y 3404	Screw for Y32786	1
14	Y33037	Crankshaft Small Rollar Cap	1	51	Y 5071	Screw for Y32783	2
15	Y33012	Crankshaft Small Rollar Cap Gasket ..	1	52	Y32784	Looper Driving Lever Link Pin(Short)	1
16	Y 4438	Screw for Y33205, Y33203	1	53	Y32783	Looper Driving Lever Connecting Rod	1
17	Y33205	Front Looper Thread Cast-Off Plate ..	1	54	Y32786	Looper Driving Lever Link Pin(Long)	1
18	Y33203	Front Looper Thread Take-Up Eyelet ..	1	55	Y34517	Upper Looper Driving Shaft	1
19	Y33204	Front Looper Thread Take-Up		56	Y 5550	Screw for Y32792	1
		Eyelet Bracket	1	57	Y32792	Upper Looper Driving Shaft Collar ..	1
20	Y 4440	Screw for Y33204	2	58	Y33014	Upper Looper Driving Shaft	
21	Y 494	Washer for Y34520	2			End Cap Gasket	1
22	Y34520	Differential Feed Graduation	1	59	Y33013	Upper Looper Driving Shaft	
23	Y 304	Oil Wick for Y32372	1			End Cap	1
24	Y32807	Upper Looper	1	60	Y 5345	Screw for Y33013	3
25	Y 5507	Screw for Y32807	1	61	Y32813	Spreader for 650-2	1
26	Y32803	Upper Looper Holder Collar	1				
27	Y32372	Upper Looper Bar Guide	1				
28	Y 3635	Screw for Y32787	2				
29	Y 282	Oil Wick for Y32799	1				
30	Y32799	Upper Looper Bar Driving Arm Pin ...	1				
31	Y32800	Upper Looper Bar	1				
32	Y 7650	Screw for Y32804	1				
33	Y34516	Upper Looper Bar Guide Retainer	1				
34	Y32804	Upper Looper Bar Guide Thrust Pin ..	1				
35	Y 304	Oil Wick for Y32800	1				
36	Y 5004	Screw for Y34516	2				
37	Y34226	Upper Looper Thread Guide	1				
38	Y 9142	Screw for Y34226	2				



7	Ref. No.	Parts No.	Description	Amt. Req.	Ref. No.	Parts No.	Description	Amt. Req.
	1	Y33056	Lower Looper Driving Lever Connecting Rod	1	27	Y 2237	Screw for Y33059	1
	2	Y 5071	Screw for Y33056	4	28	Y33081	Front Looper Collar	1
	3	Y33057	Ball Joint Guide Fork	1	29	Y 1228	Screw for Y33081	1
	4	Y 4440	Screw for Y33057	1	30	Y33059	Front Looper	1
	5	Y33066	Front Looper Driving Connection Guide	1	31	Y 3635	Screw for Y33058	2
	6	Y33063	Front Looper Driving Connection	1	32	Y33058	Lower Looper Driving Lever	1
	7	Y33068	Front Looper Oscillating Shaft	1	33	Y 4437	Screw for Y30305	1
	8	Y33014	Front Looper Shaft End Cap Gasket ..	1	34	Y33054	Lower Looper Driving Shaft	1
	9	Y33013	Front Looper Shaft End Cap	1	35	Y 5500	Screw for Y32789	1
	10	Y 5345	Screw for Y33013	3	36	Y 520	Washer for Y32789	1
	11	Y33230	Front Looper Oscillating Shaft Collar (Left)	1	37	Y32789	Lower Looper Holder Arm	1
	12	Y 9604	Screw for Y33230	2	38	Y32959	Looper Thread Pull-Off (Left)	1
	13	Y 9604	Screw for Y33074	1	39	Y 1326	Screw for Y32959	2
	14	Y33073	Front Looper Slide Block	1	40	Y 2237	Screw for Y32790	1
	15	Y33072	Front Looper Oscillating Lever	1	41	Y32790	Lower Looper	1
	16	Y 3635	Screw for Y33072	2	42	Y30305	Ball Stud	1
	17	Y32921	Front Looper Connectiong Rod Pin ...	1	43	Y 5040	Screw for Y33066	1
	18	Y33074	Front Looper Slide Block Pin	1	44	Y 5550	Screw for Y33065	1
	19	Y 5550	Screw for Y33064	1	45	Y33065	Front Looper Driving Lower Looper Shaft Lever	1
	20	Y33064	Front Looper Driving Lever	1	46	Y 9604	Screw for Y33076	2
	21	Y 5550	Screw for Y33071	1	47	Y33076	Front Looper Oscillating Shaft Collar (Right)	1
	22	Y33071	Front Looper Driving Shaft Collar ..	1				
	23	Y33060	Front Looper Driving Shaft	1				
	24	Y 5500	Screw for Y32789	1				
	25	Y 520	Washer for Y32789	1				
	26	Y32789	Front Looper Holder Arm	1				

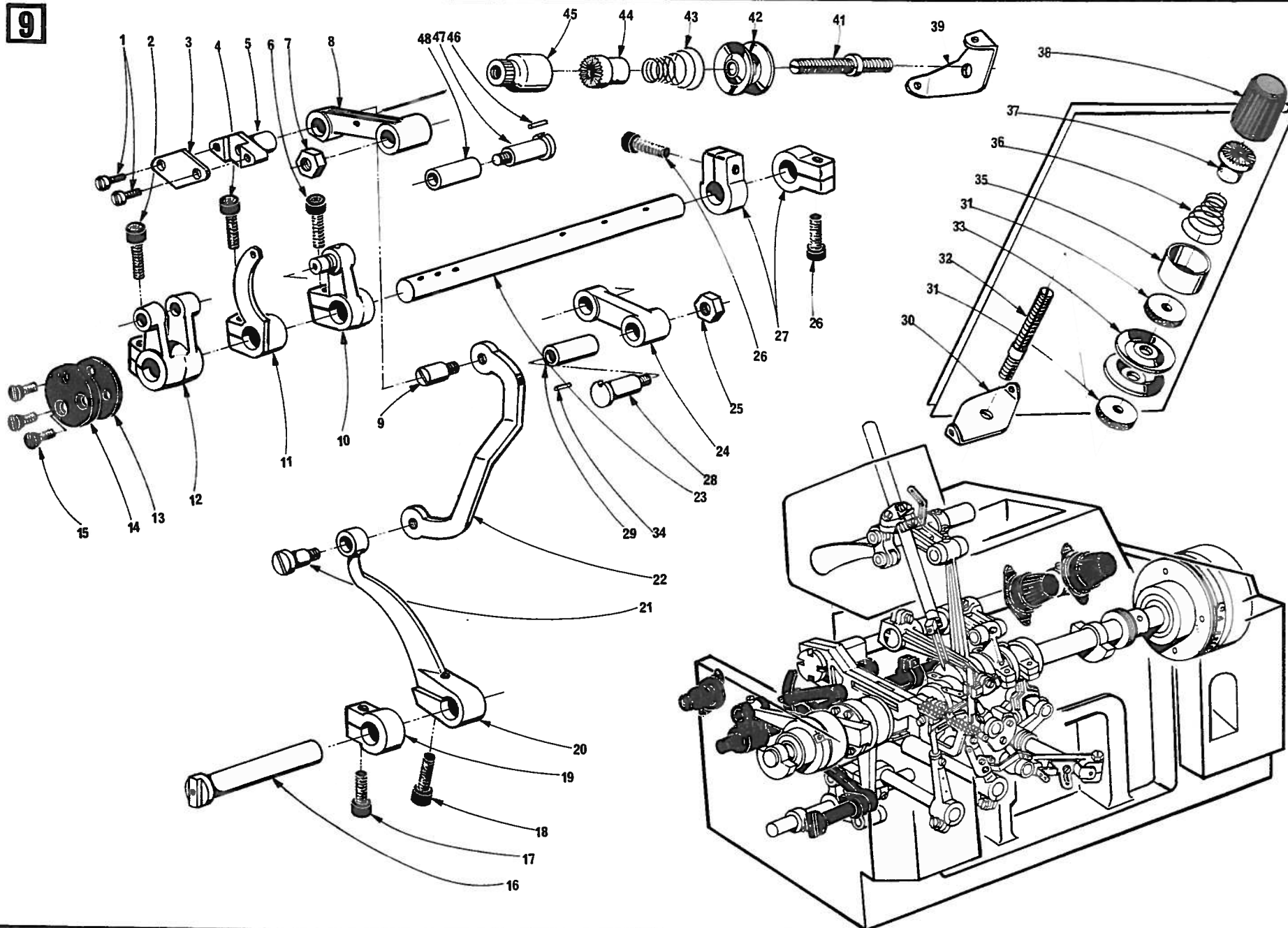


8	Ref. No.	Parts No.	Description	Amt. Req.	Ref. No.	Parts No.	Description	Amt. Req.
	1	Y32921	Feed Bar Driving Shaft Lever Pin	1	35	Y33067	Front Looper Oscillating Rod	1
	2	Y 2237	Screw for Y32921	1	36	Y33115	Front Looper Oscillating Rod Roller	1
	3	Y33110	Feed Dog Driving Connecting Rod	1				
	4	Y33127	Feed Dog Regulating Control Eccentric	1	43	Y 3405	Screw for Y33174	2
	5	Y33122	Feed Dog Regulating Eccentric Spring (Long)	1	44	Y 3408	Screw for Y33174	1
	6	Y33114	Feed Dog Driving Connecting Rod Roller	1	45	Y33139	Feed Dog Regulating Eccentric Spring Control Pin	1
	7	Y 7605	Screw for Y33174	4	46	Y33123	Feed Dog Regulating Eccentric Spring (Short)	1
	8	Y33174	Feed Dog Regulating Eccentric Complete Set	1	47	Y 3412	Screw for Y33174	1
	10		Main Feed Dog	1	49	Y33015	Feed Mechanism Front Shield (Lower)	1
		Y33548	for 650-1	1	50	Y 1175	Screw for Y33015	1
		Y33173	for 650-2	1				
	11		Differential Feed Dog	1				
		Y33547	for 650-1	1				
		Y33171	for 650-2	1				
	12		Auxiliary Feed Dog	1				
		Y33328	for 650-1	1				
		Y33544	for 650-2	1				
	13	Y 9604	Screw for Y32921	1				
	14	Y 4353	Screw for Differential Feed Dog	1				
	15	Y 7609	Screw for Main Feed Dog	1				
	16	Y 9730	Screw for Auxiliary Feed Dog	1				
	20	Y32859	Feed Bar Guide (Left)	1				
	21	Y 4440	Screw for Y32859	2				
	22	Y33137	Feed Bar Guide (Right)	1				
	23	Y 4440	Screw for Y33137	1				
	24	Y 1175	Screw for Y33137	1				
	25	Y32865	Feed Bar Guide (Rear)	1				
	26	Y 3635	Screw for Y33141	1				
	27	Y 3632	Screw for Y32865	1				
	29	Y33092	Main Feed Bar	1				
	30		Throat Plate	1				
		Y33545	for 650-1	1				
		Y33540	for 650-2	1				
	31	Y33091	Differential Feed Bar	1				
	32	Y32867	Feed Bar Guide Block	1				
	33	Y33116	Feed Lift Block	1				
	34	Y33141	Feed Adjusting Pin	1				

SPECIAL FEED DOGS
FOR LONGER STITCH PURPOSE (Max.5 S.P.I.)

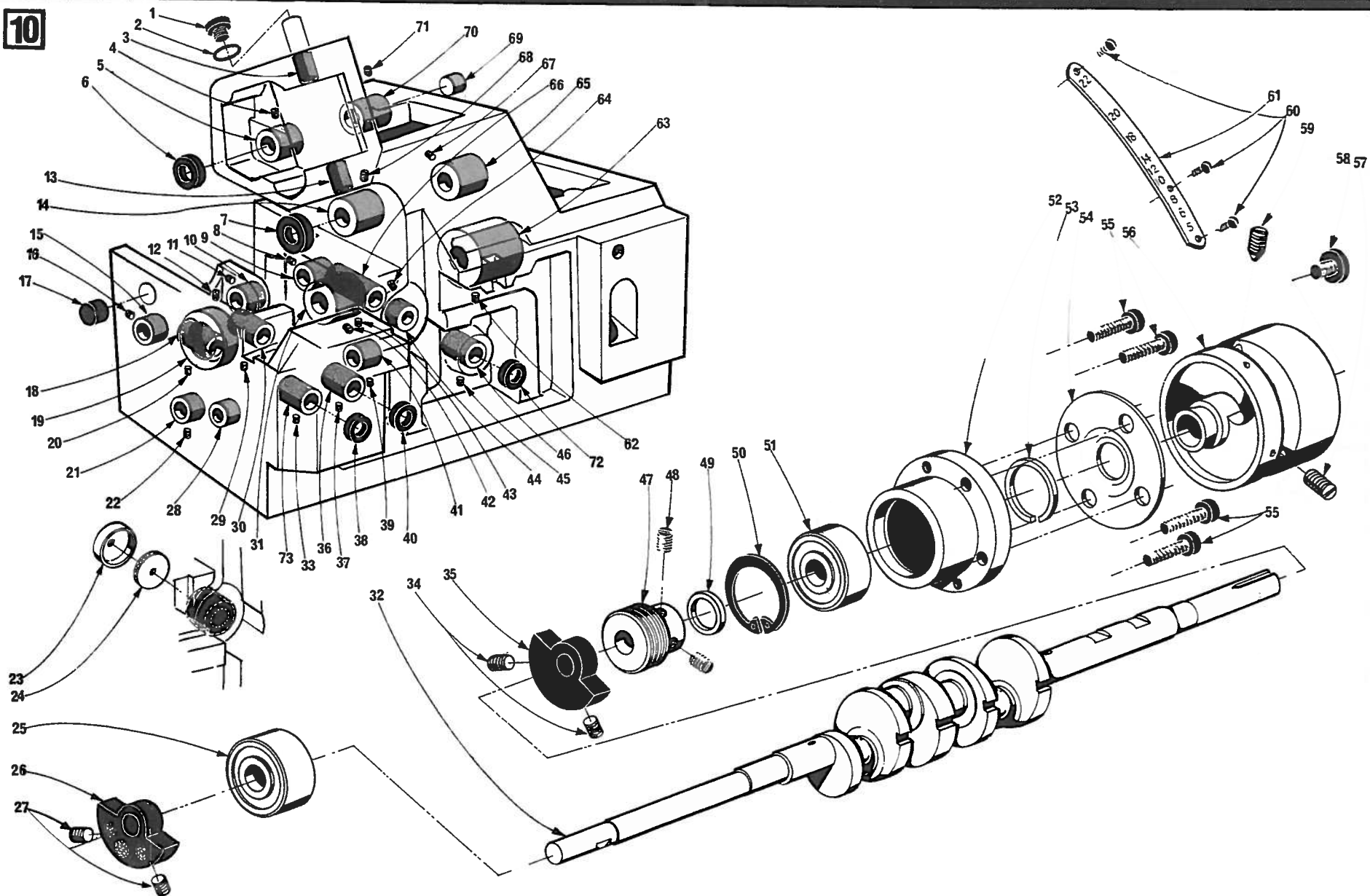
Not Furnished On Machine, But Available
At Extra Charge.

Y33245	Differential Feed Dog for 650-1 ..	1
Y33093	Differential Feed Dog for 650-2 ..	1
Y33546	Main Feed Dog for 650-1	1
Y33172	Main Feed Dog for 650-2	1
Y33549	Auxiliary Feed Dog for 650-1	1
Y33559	Auxiliary Feed Dog for 650-2	1

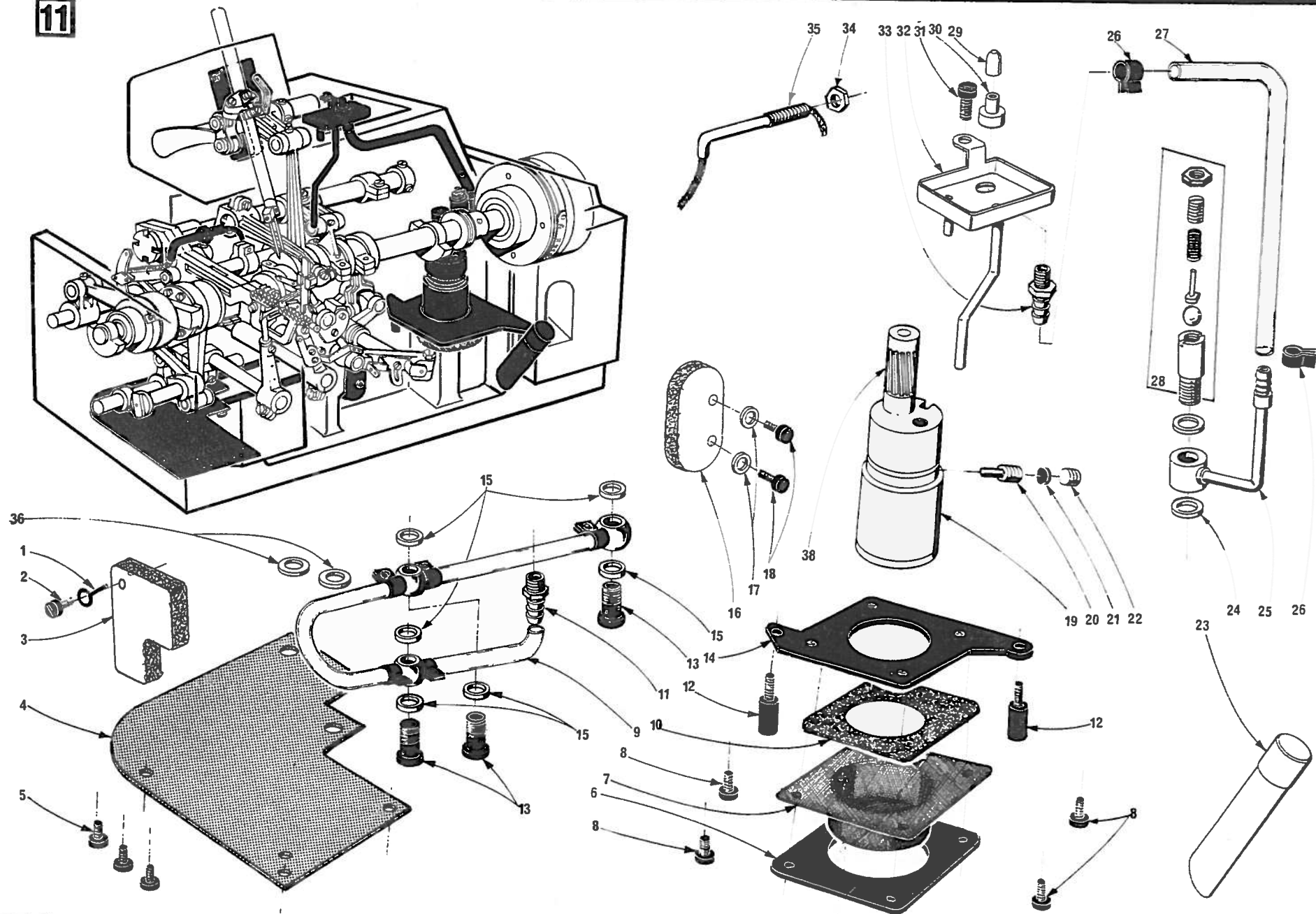


9	Ref. No.	Parts No.	Description	Amt. Req.	Ref. No.	Parts No.	Description	Amt. Req.
	1	Y 8144	Screw for Y33108	2	26	Y 5550	Screw for Y33104	2
	2	Y 5520	Screw for Y33105	1	27	Y33104	Feed Bar Driving Shaft Collar	2
	3	Y33108	Differential Feed Regulating Slide Pin Cap	1	28	Y33099	Feed Bar Driving Stud	1
	4	Y 5520	Screw for Y33106	1	29	Y33098	Feed Bar Driving Connection Bushing	1
	5	Y33107	Differential Feed Regulating Slide Pin	1	30	Y32422	Tension Disc Eyelet for Looper Thread	2
	6	Y 5520	Screw for Y34521	1	31	Y 286	Felt for Tension Disc	4
	7	Y 451	Nut for Y33099	1	32	Y 6542	Tension Post for Overseam	2
	8	Y33094	Differential Feed Bar Driving Connection	1	33	Y01111	Tension Disc	4
	9	Y 5512	Screw for Y33121	1	34	Y 722	Knock Pin for Y33099	1
	10	Y34521	Main Feed Bar Driving Lever	1	35	Y37635	Thread Tension Spring Retainer ...	2
	11	Y33106	Differential Feed Rocker	1	36	Y32952	Looper Thread Tension Spring	2
	12	Y33105	Feed Bar Driving Shaft Lever	1	37	Y30254	Tension Spring Bushing	2
	13	Y33014	Feed Bar Driving Shaft End Cap Gasket	1	38	Y32965	Thread Tension Spring Cap	2
	14	Y33013	Feed Bar Driving Shaft End Cap	1	39	Y33274	Tension Disc Eyelet for Front Looper Thread	1
	15	Y 5345	Screw for Y33013	3	41	Y 7817	Tension Post for Front Looper Thread	1
	16	Y33118	Differential Feed Control Lever Shaft	1	42	Y01111	Tension Disc	2
	17	Y 5550	Screw for Y32792	1	43	Y37632	Front Looper Thread Tension Spring	1
	18	Y 5550	Screw for Y33120	1	44	Y37631	Tension Spring Bushing	1
	19	Y32792	Differential Feed Control Lever Shaft Collar	1	45	Y37636	Thread Tension Spring Small Cap ..	1
	20	Y33120	Differential Feed Control Inner Lever	1	46	Y 722	Knock Pin for Y33099	1
	21	Y 5510	Screw for Y33121	1	47	Y33099	Feed Bar Driving Stud	1
	22	Y33121	Differential Feed Control Lever Link	1	48	Y33098	Feed Bar Driving Connection Bushings	1
	23	Y33100	Feed Bar Driving Shaft	1				
	24	Y33095	Main Feed Bar Driving Connection ...	1				
	25	Y 451	Nut for Y33099	1				

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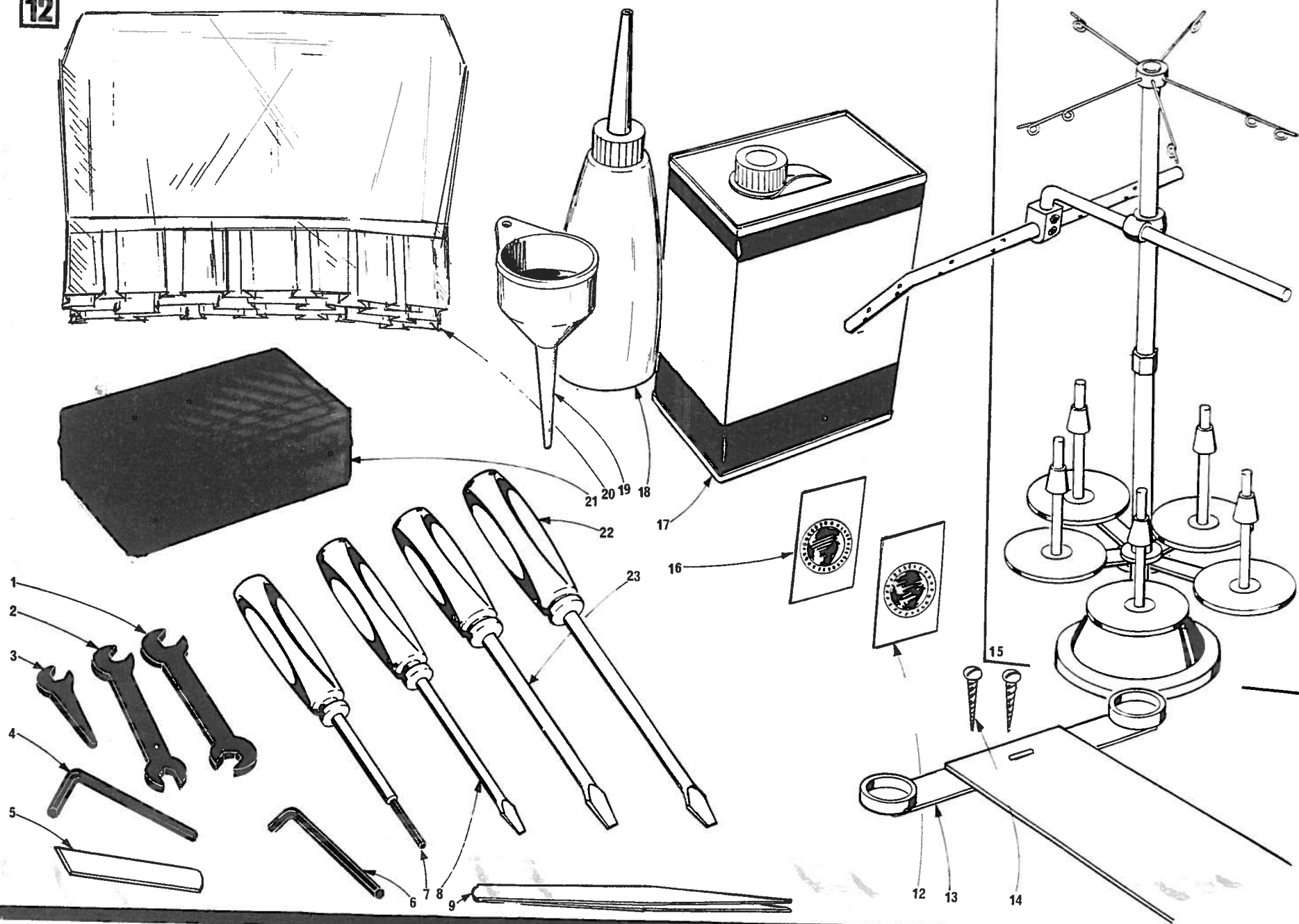
Ref. No.	Parts No.	Description	Amt. Req.	Ref. No.	Parts No.	Description	Amt. Req.
1	Y 3636	Cap Screw for Y32652	1	41	Y33069	Front Looper Oscillating Shaft Bushing (Right)	1
2	Y 526	Seal for Y32652	1	42	Y 3595	Screw for Y32782	1
3	Y32652	Needle Bar Bushing (Upper)	1	43	Y 9209	Screw for Y32793	1
4	Y 1457	Screw for Y32647	1	44	Y32802	Upper Looper Bar Guide Bushing	1
5	Y32647	Needle Bar Driving Crank Bushing (Left) ..	1	45	Y 9209	Screw for Y34518	1
6	Y32684	Needle Bar Driving Crank Oil Seal	1	46	Y34518	Upper Looper Driving Shaft Bushing(Front) ..	1
7	Y32906	Upper Knife Driving Shaft Oil Seal	1	47	Y32925	Oil Pump Driving Worm	1
8	Y 3654	Screw for Y33101	1	48	Y 7650	Screw for Y32925	2
9	Y33101	Feed Bar Driving Shaft Bushing (Right) ..	1	49	Y32779	Crankshaft Roller Retaining Washer	1
10	Y33102	Feed Bar Driving Shaft Bushing (Middle) ..	1	50	Y32778	Crankshaft Roller Retaining Ring (Inner) ..	1
11	Y 1435	Screw for Y33102	1	51	Y32777	Crankshaft Roller	1
12	Y 3434	Screw for Y33051	1	52	Y32775	Crankshaft Roller Housing	1
13	Y32653	Needle Bar Bushing (Lower)	1	53	Y32818	Crankshaft Roller Retaining Ring (Outer) ..	1
14	Y32905	Upper Knife Driving Shaft Bushing (Left) ..	1	54	Y32817	Crankshaft Roller Housing Cap	1
15	Y33103	Feed Bar Driving Shaft Bushing (Left) ..	1	55	Y 4441	Screw for Y32817	4
16	Y 1435	Screw for Y33103	1	56	Y33053	Pulley	1
17	Y33265	Seal Plug for Frame	1	57	Y 9203	Sub Screw for Y33053	1
18	Y33062	Front Looper Driving Shaft Bushing(Rear) ..	1	58	Y 4402	Cap Screw for Y33053	1
19	Y33051	Crankshaft Small Roller Housing	1	59	Y 3591	Main Screw for Y33053	1
20	Y 9209	Screw for Y33062	1	60	Y 5133	Screw for Y34526	3
21	Y33070	Front Looper Oscillating Shaft Bushing (Left)	1	61	Y34526	Pulley Graduation	1
22	Y 9209	Screw for Y33070	1	62	Y 9209	Screw for Y32781	1
23	Y32868	Upper Looper Bar Guide Bushing Cap	1	63	Y32781	Crankshaft Bushing (Inner)	1
24	Y 527	Oil Felt Disc	1	64	Y 1448	Screw for Y32802	1
25	Y33052	Crankshaft Small Roller	1	65	Y32904	Upper Knife Driving Shaft Bushing(Right) ..	1
26	Y33079	Crankshaft Counterweight (Left)	1	66	Y32793	Upper Looper Driving Shaft Bushing(Rear) ..	1
27	Y 1435	Screw for Y33079	2	67	Y 3654	Screw For Y32904	1
28	Y33119	Differential Feed Control Lever Shaft Bushing	1	68	Y 9209	Screw for Y32905	1
29	Y 9209	Screw for Y33055	1	69	Y32650	Needle Bar Driving Crank Bushing Plug ..	1
30	Y33055	Lower Looper Driving Shaft Bushing (Rear) ..	1	70	Y32648	Needle Bar Driving Crank Bushing (Right) ..	1
31	Y32782	Crankshaft Bushing (Left)	1	71	Y 1457	Screw for Y32648	1
32	Y33080	Crankshaft	1	72	Y30291	Looper Shaft Oil Seal (Lower)	1
33	Y 9209	Screw for Y33061	1	73	Y33061	Front Looper Driving Shaft Bushing (Front)	1
34	Y 1435	Screw for Y33077	2				
35	Y33077	Crankshaft Counterweight (Right)	1				
36	Y30227	Lower Looper Driving Shaft Bushing (Front) ..	1				
37	Y 7650	Screw for Y30227	1				
38	Y30291	Looper Shaft Oil Seal (Lower)	1				
39	Y 9209	Screw for Y33069	1				
40	Y30291	Looper Shaft Oil Seal (Lower)	1				



11	<u>Ref.</u> <u>No.</u>	<u>Parts</u> <u>No.</u>	<u>Description</u>	<u>Amt.</u> <u>Req.</u>
	1	Y32812	Needle Bar Oiling Felt Retainer	1
	2	Y 9604	Screw for Y32649	1
	3	Y32649	Needle Bar Oiling Felt (Right)	1
	4	Y33148	Under Feed Mechanism Filter Screen .	1
	5	Y 9853	Screw for Y33148	3
	6	Y33282	Under Pump Filter Clamp	1
	7	Y33281	Under Pump Filter	1
	8	Y 9853	Screw for Y33282	4
	9	Y33157	Oil Tube Complete Set with Fitting & Clamp	1
	10	Y33279	Under Pump Filter Gasket	1
	11	Y 9909	Oil Tube Fitting Nut	1
	12	Y 6261	Screw for Y33280	2
	13	Y 7668	Oil Tube Fitting Stud	3
	14	Y33280	Under Pump Filter Seat	1
	15	Y 567	Seal for Y33157	6
	16	Y32806	Upper Looper Bar Oiling Felt	1
	17	Y 550	Washer for Y32806	2
	18	Y 4353	Screw for Y32806	2
	19	Y33144	Oil Pump Complete Set	1
	20	Y 6330	Screw for Y33144	1
	21	Y 926	Seal for Y33144	1
	22	Y 9503	Cap Screw for Y33144	1
	23	Y33150	Oil Sight Gauge Window	1
	24	Y 509	Seal for Y32897	2
	25	Y32897	Oil Relief Valve Fitting Tube	1
	26	Y37675	Oil Tube Clamp	2

<u>Ref.</u> <u>No.</u>	<u>Parts</u> <u>No.</u>	<u>Description</u>	<u>Amt.</u> <u>Req.</u>
27	Y32850	Oil Tube	1
28	Y32938	Oil Relief Valve Complete Set	1
29	Y37697	Oil Sight Top Nozzle Cap	1
30	Y32479	Oil Sight Top Nozzle	1
31	Y 9604	Screw for Y32476	1
32	Y32476	Oil Receiver	1
33	Y 9909	Oil Tube Fitting Nut	1
34	Y 419	Nut for Y32480	1
35	Y32480	Feed Bar Driving Connection Oil Nozzle	1
36	Y 313	Seal for Y33148	2
38	Y30711	Oil Pump Driving Worm Gear	1

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2	Ref. No.	Parts No.	Description	Amt. Req.
	1	Y37945	Wrench (Large)	1
	2	Y37915	Wrench (Medium)	1
	3	Y37944	Wrench (Small)	1
	4	Y37922	Hexagon Wrench Key (Large)	1
	5	Y30421	Lower Knife	1
	6	Y37916	Hexagon Wrench Key (Small)	1
	7	Y37919	Hexagon Screw Driver	1
	8	Y37903	Screw Driver (Small)	1
	9	Y37909	Thread Tweezers	1
	12		Needle	10
	13	Y33026	Rubber Cushion Holder Plate	1
	14	Y 6910	Wood Screw for Y33026	2
	15	Y34771	Thread Stand 5 Spool Type	1
	16		Needle	10
	17		Oil	1
	18	Y37932	Oiler	1
	19	Y37943	Funnel	1
	20	Y37937	Machine Cover	1
	21	Y37913	Attachment Box	1
	22	Y37901	Screw Driver (Large)	1
	23	Y37902	Screw Driver (Medium)	1