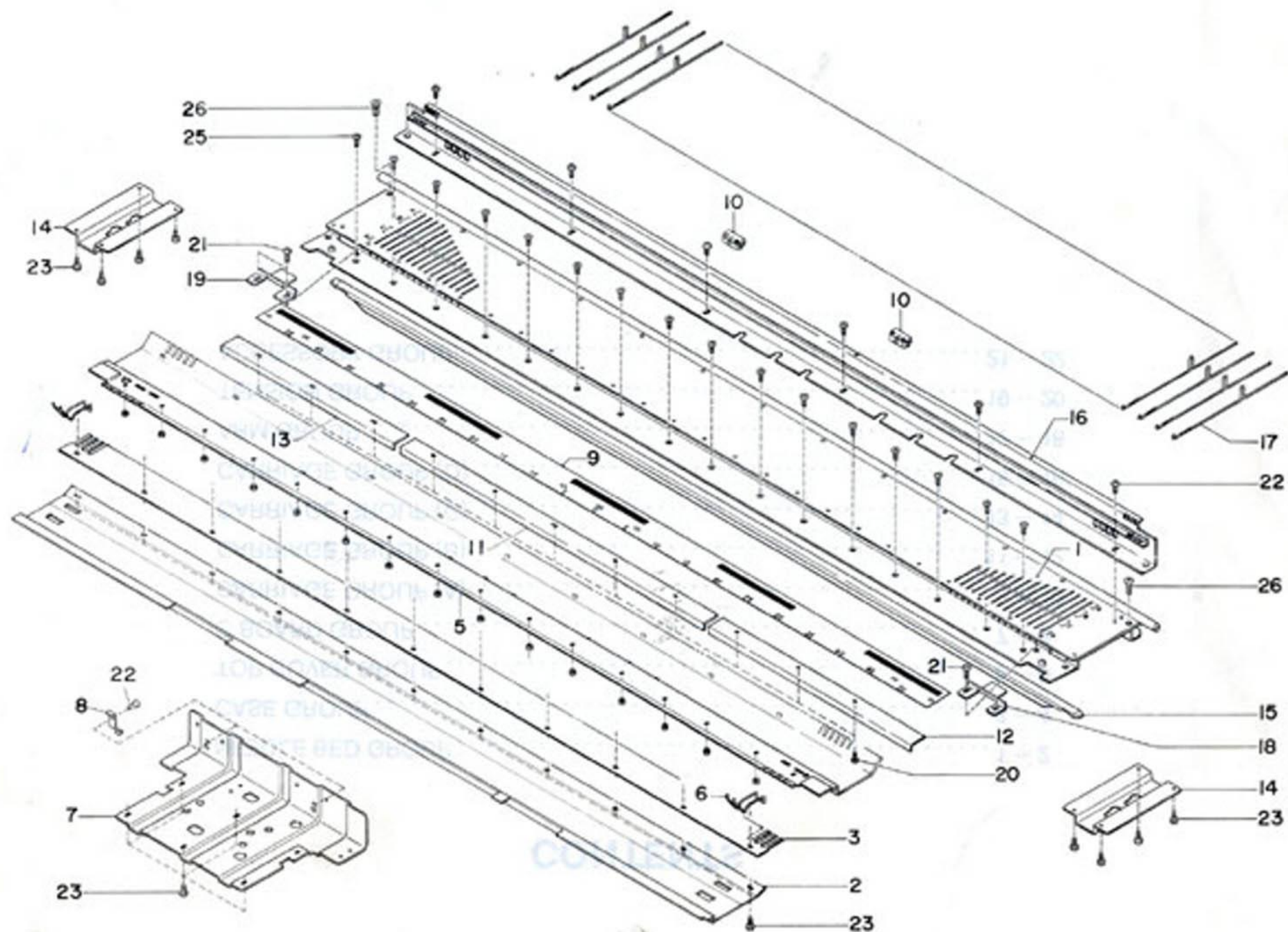


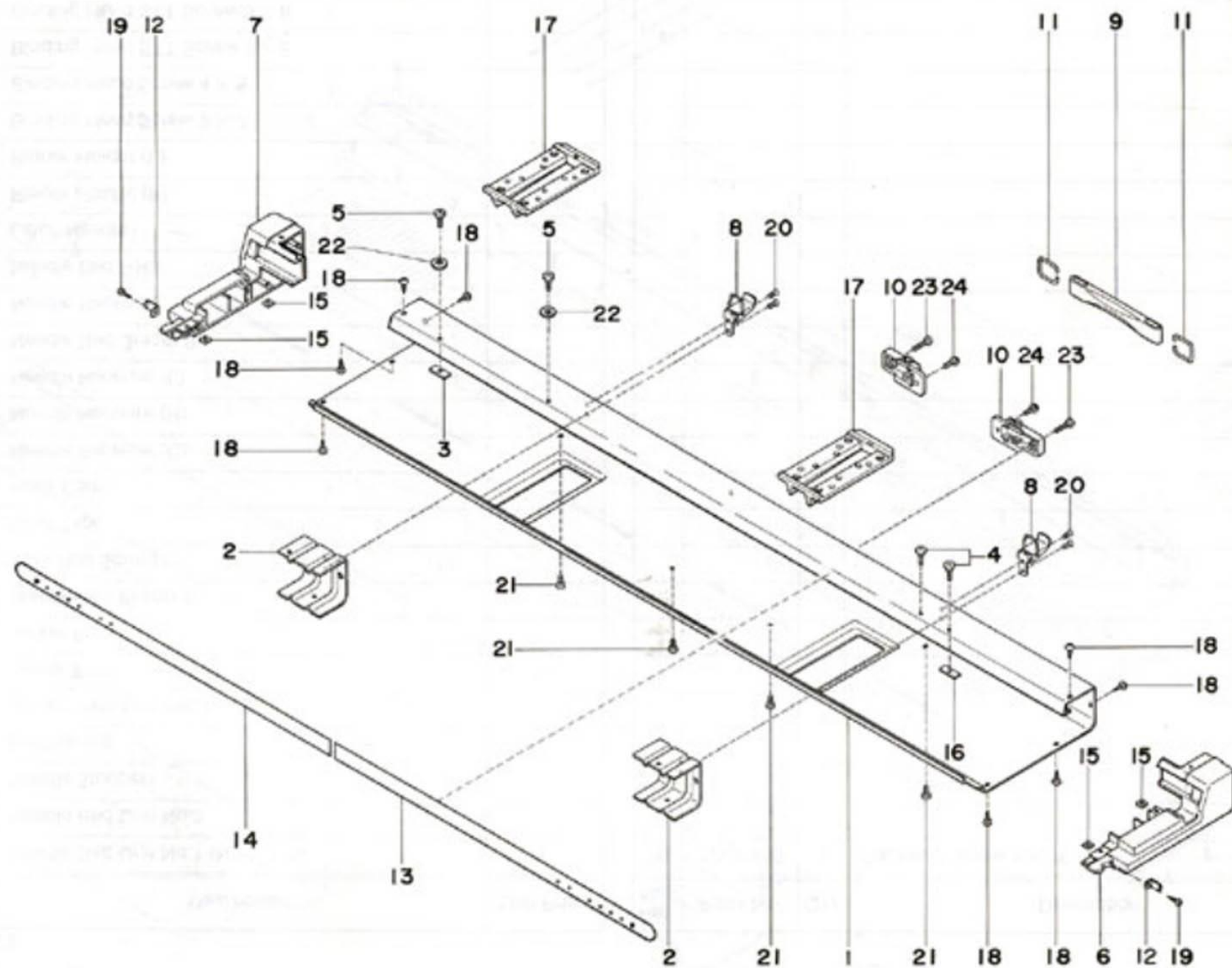
NEEDLE BED GROUP



Ref. No.	Parts No.	Q'ty	Description	Unit Price
1	12492633	1	Needle Bed Unit No.1 (No.1, 5, 6)	
2	12492658	1	Needle Bed Unit No.3	
3	12478046	1	Needle Stopper	
4	12493185	1	Leaf Spring	
5	12492666	1	Sinker Plate Unit (No.5 ~ 6)	
6	12478400	1	Sinker Plate	
7	12492674	76	Sinker Post	
8	01096817	1	Needle Bed Bracer A	
9	01280619	2	Yarn Rod Spring	
10	12492708	1	Vinyl Tape	
11	12493193	2	Point Cam	
12	12473625	1	Needle Receiver (C)	
13	12473633	1	Needle Receiver (R)	
14	12473641	1	Needle Receiver (L)	
15	01106814	2	Needle Bed Bracer B	
16	12476990	1	Needle Retainer	
17	12492682	1	Needle Bed Rack	
18	12492690	150	Latch Needle	
19	02216810	1	Ribber Holder (R)	
20	02226819	1	Ribber Holder (L)	
21	04740205	11	Binding Head Screw 3 × 3	
22	03056884	4	Binding Head Screw 4 × 8	
23	04930814	8	Binding Head STT Screw 3 × 5	
24	02142453	28	Binding Head STT Screw 3 × 6	
25	04183307	16	Flat Head Screw 3 × 8	

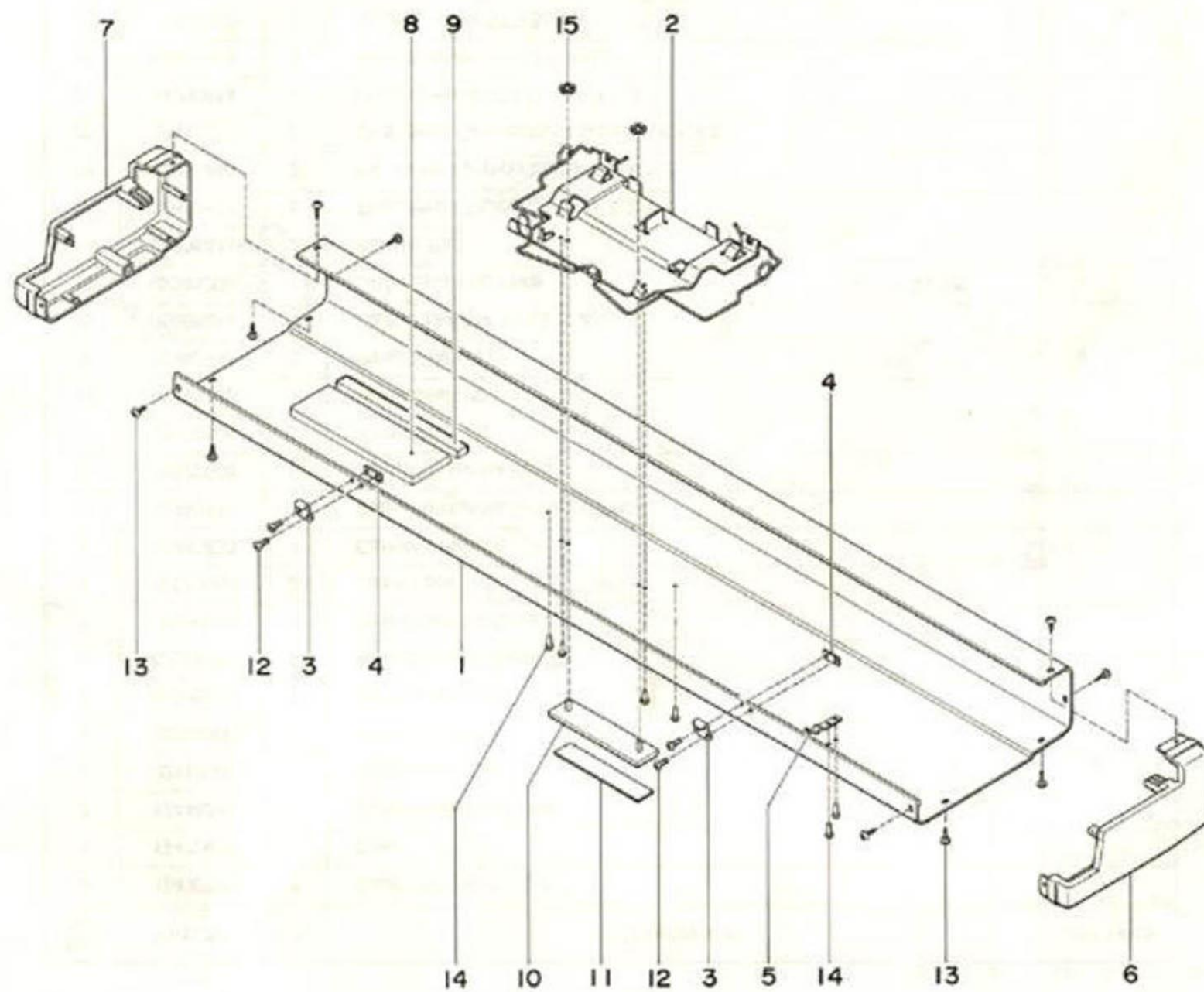
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CASE GROUP



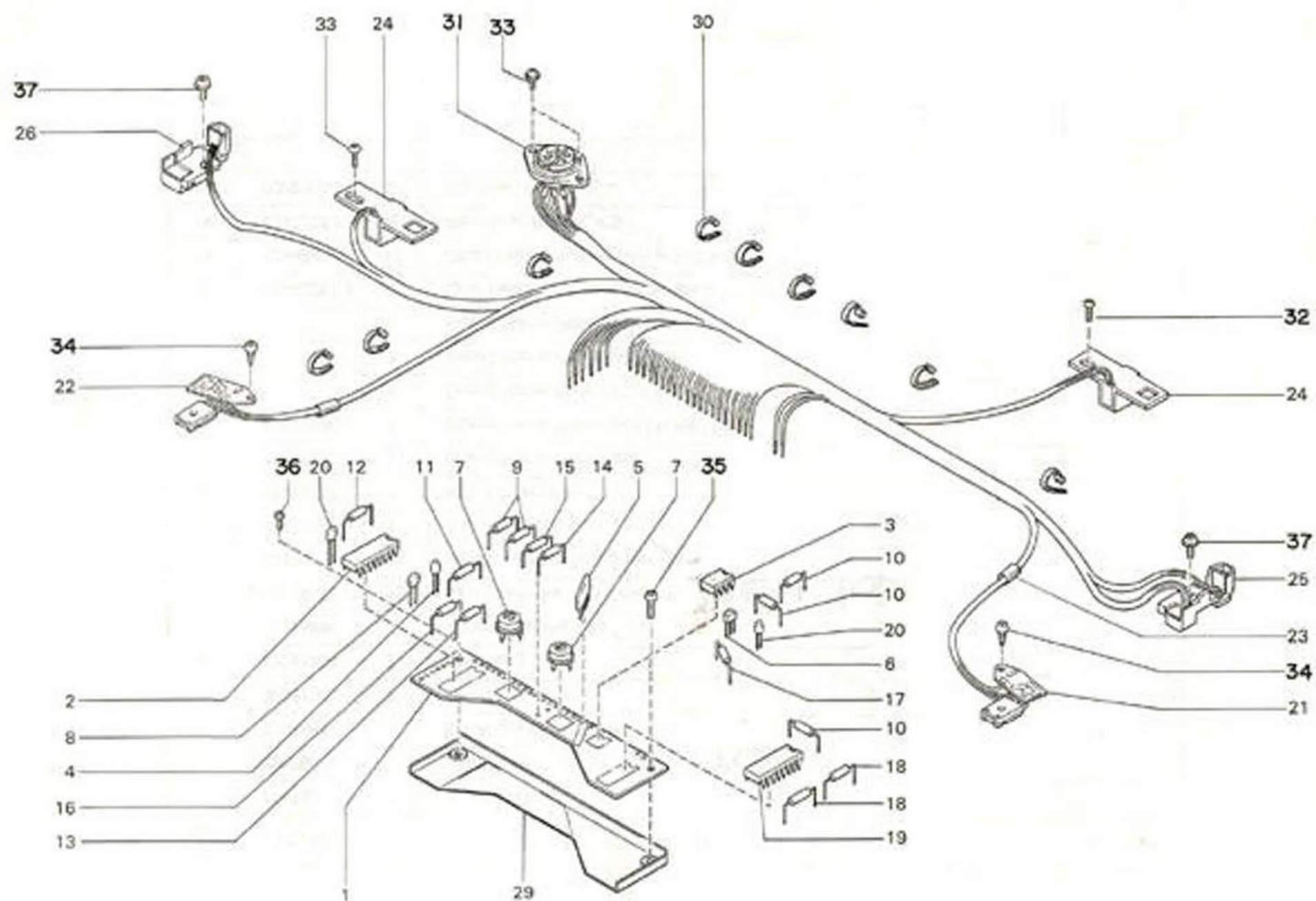
Ref. No.	Parts No.	Q'ty	Description
O	12492724	1	Case Unit (No.1 ~ 24)
1	12472619	1	Case
2	12446241	2	Case Supporting Plate
3	02412005	1	Rectangular Nut
4	02232007	2	RC Fixing Screw
5	02296812	2	KR Fixing Screw
6	02046811	1	Side Cover for Case (R)
7	02056810	1	Side Cover for Case (L)
8	02272003	2	Latch Lock
9	12480430	1	Carrying Handle
10	12493177	2	Carrying Handle Securing Plate
11	02222008	2	Carrying Handle Ring
12	02170504	2	Yarn Clip
13	12492732	1	Panel Seal (R)
14	12492740	1	Panel Seal (L)
15	03066883	4	Square Nut M4, 8 × 8 × 2
16	02341204	1	Latch Securing Plate
17	02206811	2	Rubber Pad
18	12482477	8	Truss Head Tapping Screw 2, 3 × 6
19	02850493	2	Pan Head Tapping Screw 2, 2.6 × 6
20	02442267	8	Oval Head Countersunk Screw 2.6 × 4.5
21	04930814	4	Binding Head STT Screw 3 × 5
22	05010418	2	Plain Washer 2.6 × 7.5 × 0.5
23	01920818	2	Binding Head STT Screw 3 × 12
24	01910819	2	Collar Head STT Screw 3 × 8

TOP COVER GROUP



Ref. No.	Parts No.	Q'ty	Description
◎	12473211	1	Top Cover Unit
1	02076818	1	Top Cover Rep. 12483350
2	02086817	1	B.T.A. Securing Plate
3	02331205	2	Latch
4	02341204	2	Latch Nut
5	02126886	1	Tension Spring Clip
6	02116812	1	Side Cover for Top Cover (R) Rep. 01045715
7	02126811	1	Side Cover for Top Cover (L)
8	12452140	1	A.B. Protector A
9	12452157	1	A.B. Protector B
10	12480927	1	Brand Name Plate Base
11	12487666	1	Brand Name Plate (SILVER REED)
		1	Brand Name Plate (STUDIO)
		1	Brand Name Plate (SINGER)
		1	Brand Name Plate (EMPISAL)
12	02442267	4	Oval Head Countersunk Screw 2.6 × 4.5
13	12482477	10	Truss Head Tapping Screw 2, 3 × 6
14	02472264	6	Pan Head Rivet 2 × 3
15	02221000	2	CS Snap Ring 3

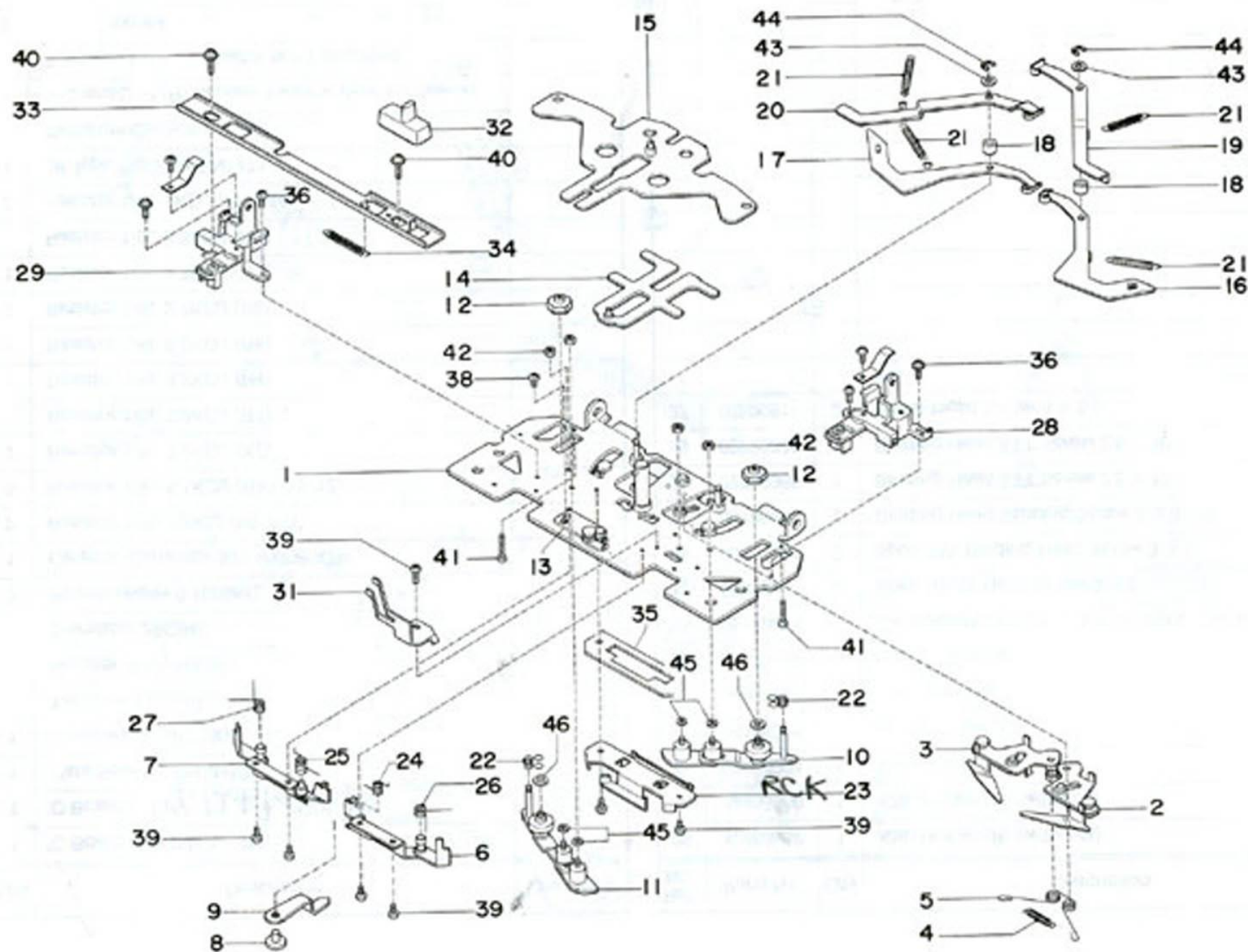
C BOARD GROUP



Ref. No.	Parts No.	Qty	Description	Unit Price
1	12479408	1	C Board Unit (No.1 ~ 30)	
1	06076970	1	C Board <i>Req. 12474847</i>	
2	09110610	1	Data Selector SN74157P	
3	09125238	1	Comparator μ PC393C	
4	19180611	1	Tantalum Capacitor 6.8 μ	
5	09375239	1	Resistor Array RA5E	
6	12403424	1	Transistor 2SC945	
7	09695230	2	Potentiometer 0.1L30K Ω	
8	09480617	1	Ceramic Capacitor 50V 1000P (C3)	
9	09515230	2	Resistor 1/8L 120K Ω (R5, R7)	
10	09525239	3	Resistor 1/8L 5.1K Ω (R10, 11, 12)	
11	09535238	1	Resistor 1/8L 2.2K Ω (K2)	
12	09535238	1	Resistor 1/8L 2.2K Ω (R1)	
13	09545237	1	Resistor 1/8L 8.2K Ω (R4)	
14	09545237	1	Resistor 1/8L 8.2K Ω (R8)	
15	09555236	1	Resistor 1/8L 2.7K Ω (R6)	
16	09555236	1	Resistor 1/8L 2.7K Ω (R3)	
17	09565235	1	Resistor 1/8L 3.3K Ω (R9)	
18	09575234	2	Resistor 1/8L 1K Ω (R13, 14)	
19	09305236	1	JK-type Flip Flop SN7473	
20	09585233	2	Tantalum Capacitor 4.7 μ F	
21	05710611	1	S Board Unit (R) (w/Leads, Transistor, Diode and Resistor)	
22	05720610	1	S Board Unit (L) (w/same items as above)	
23	12463501	2	Vinyl Tube $\phi 4 \times 10$	
24	09690617	2	Interrupter Sensor PS4004 (w/Leads)	

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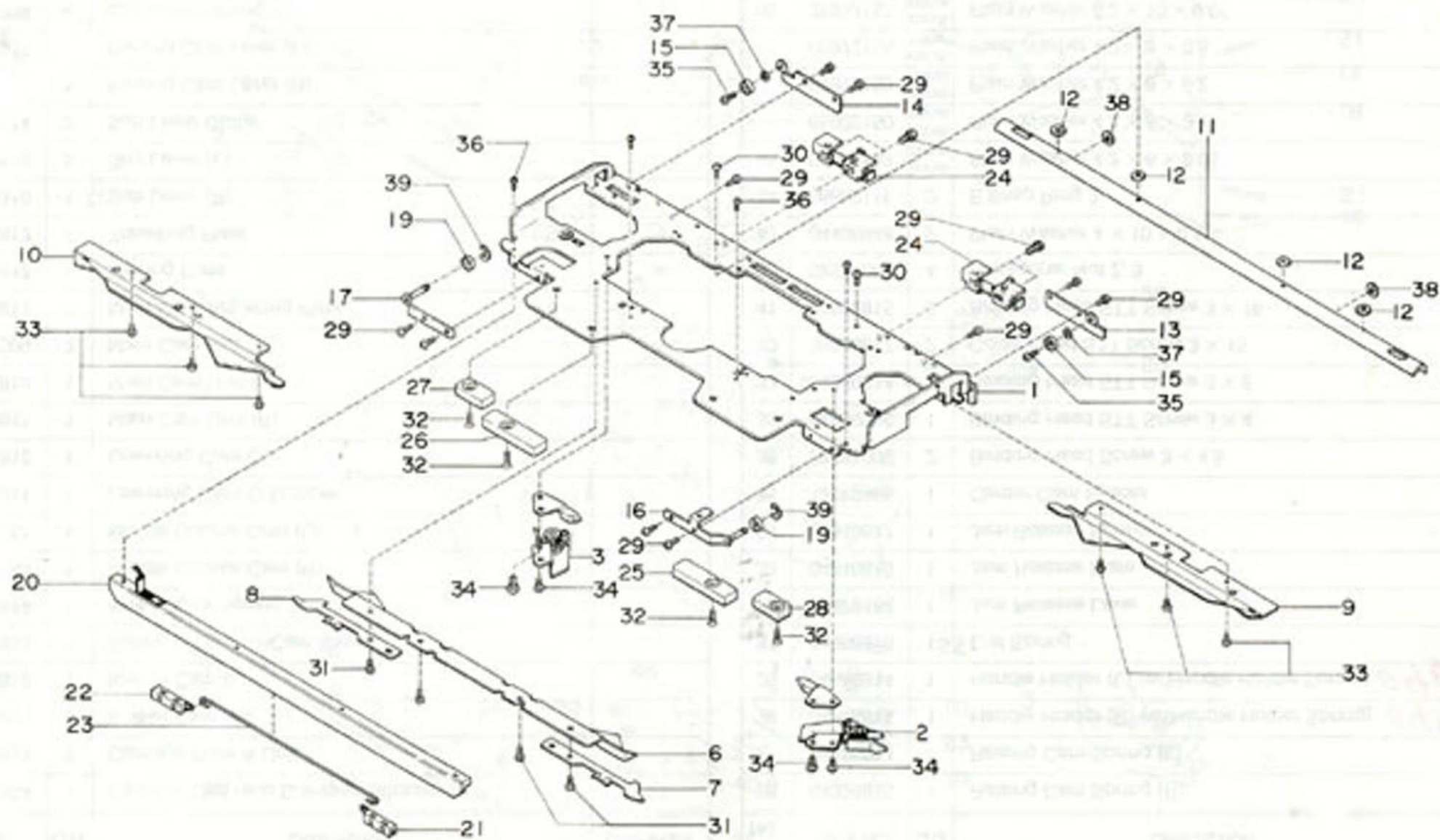
CARRIAGE GROUP (A)



Ref. No.	Parts No.	Qty	Description	Unit Price
0	12493334	1	Carriage Unit (w/o Branding Sticker)	
1	14036818	1	Carriage Plate A Unit	
2	05856810	1	Knit-in Cam (R)	
3	05866819	1	Knit-in Cam (L)	
4	05746813	1	Spring for Knit-in Cam Base	
5	04126819	1	Knit-in Cam Spring	
6	12472759	1	Middle Course Cam (R)	
7	12472767	1	Middle Course Cam (L)	
8	05766811	1	Lowering Cam C Stopper	
9	05756812	1	Lowering Cam C	
10	04366811	1	Main Cam Unit (R)	
11	04376810	1	Main Cam Unit (L)	
12	04771009	2	Main Cam Nut	
13	04160818	1	Main Cam Adjusting Plate	
14	04486817	1	Moving Plate	
15	04506812	1	Travelling Plate	
16	04526810	1	Sub Lever (R)	
17	04536819	1	Sub Lever (L)	
18	05736814	2	Sub Lever Collar	
19	04546818	1	Raising Cam Lever (R)	
20	04556817	1	Raising Cam Lever (L)	
21	04676888	4	Sub Lever Spring	
22	04681003	2	Cam Spring	
23	12472700	1	Center Cam <i>Rep. RCK.</i>	
24	12472791	1	Lowering Cam B Spring (R)	
25	12472809	1	Lowering Cam B Spring (L)	

Ref. No.	Parts No.	Qty	Description	Unit Price
26	04326815	1	Raising Cam Spring (R)	
27	04336814	1	Raising Cam Spring (L)	
28	04576815	1	Handle Holder (R) (w/Handle Holder Spring) <i>04596815</i>	
29	04586814	1	Handle Holder (L) (w/Handle Holder Spring) <i>04606810</i>	
31	04566816	1	Dial Spring	
32	12479184	1	Jam Release Lever	
33	04616819	1	Jam Release Plate	
34	04410817	1	Jam Release Spring	
35	12479465	1	Center Cam Spacer	
36	06181002	2	Binding Head Screw 3 × 4.5	
37	04990206	1	Binding Head STT Screw 3 × 4	
38	04930814	7	Binding Head STT Screw 3 × 5	
40	08026817	2	Collar Head STT Screw 3 × 15	
41	04920815	2	Binding Head STT Screw 3 × 16	
42	02521060	4	Hexagonal Nut 2, 3	
43	04406948	2	Plain Washer 4 × 10 × 0.5	
44	06662116	2	E Snap Ring 3	
45	05892153	conditional	Plain Washer 4.2 × 8 × 0.05	
	05902150	conditional	Plain Washer 4.2 × 8 × 0.1	
	05912159	conditional	Plain Washer 4.2 × 8 × 0.2	
	05922158	conditional	Plain Washer 4.2 × 8 × 0.8	
46	05932157	conditional	Plain Washer 6.2 × 10 × 0.05	
	05942156	conditional	Plain Washer 6.2 × 10 × 0.1	
	05952155		Plain Washer 6.2 × 10 × 0.2	
	05962154		Plain Washer 6.2 × 10 × 0.3	

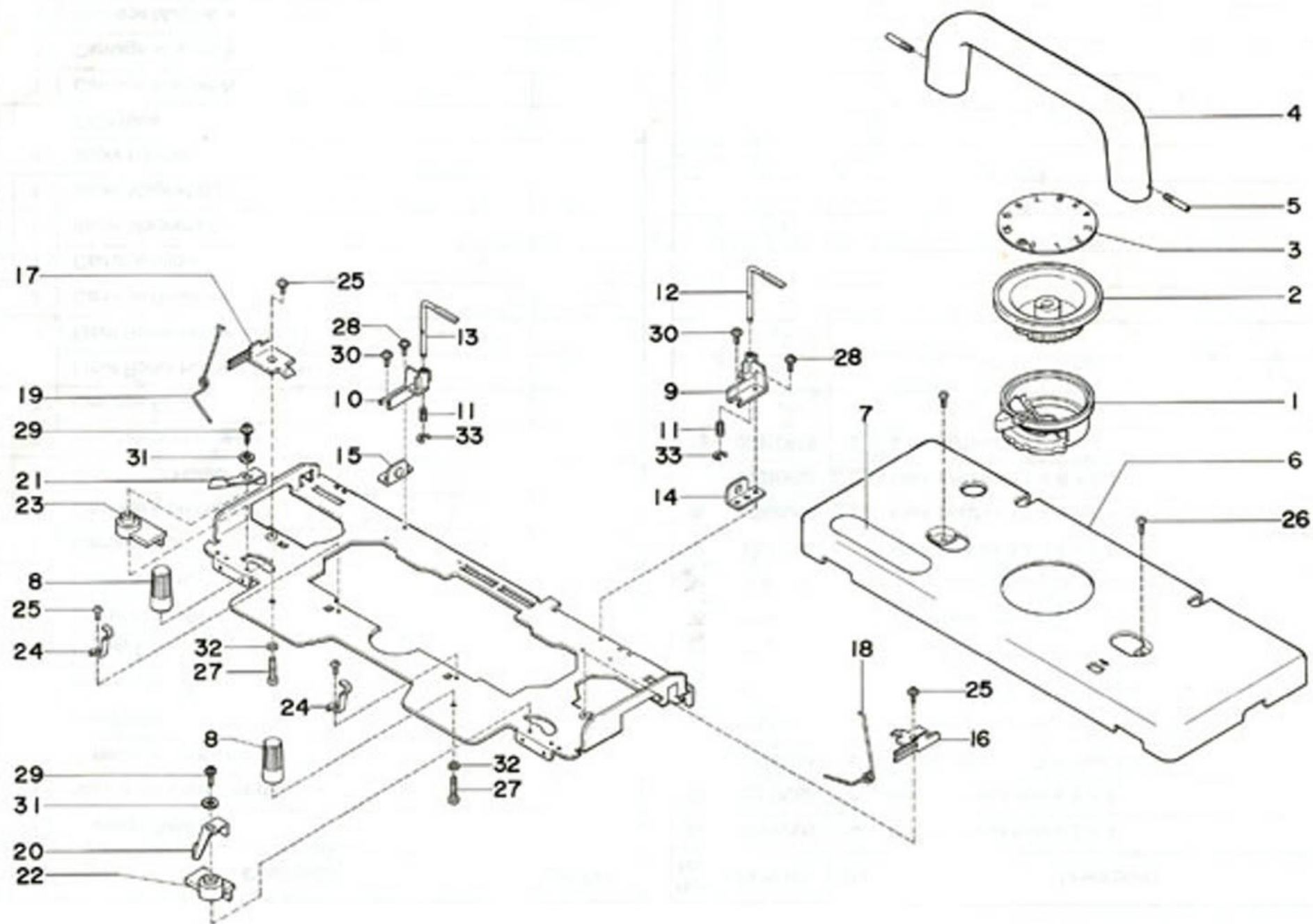
CARRIAGE GROUP (B)



Ref. No.	Parts No.	Qty	Description	Unit Price
1	12472833	1	Carriage Plate B	
2	12472841	1	Separation Cam Unit (R)	
3	12472858	1	Separation Cam Unit (L)	
6	04836813	1	Needle Guide	
7	04846812	1	Russel Cam (R)	
8	04856811	1	Russel Cam (L)	
9	12472908	1	Guide Plate (R)	
10	12472916	1	Guide Plate (L)	
11	12479267	1	Carriage Pipe	
12	05056817	4	Carriage Pipe Washer	
13	12472940	1	Rear Roller Holder (R)	
14	12472957	1	Rear Roller Holder (L)	
15	05216817	2	Carriage Roller	
16	12431755	1	Front Roller Holder Unit (R)	
17	12472965	1	Front Roller Holder Unit (L)	
19	12431805	2	Carriage Roller 4 X 10	
20	12472981	1	Carriage Slider	
21	04320610	1	Slider Magnet (R)	
22	04330619	1	Slider Magnet (L)	
23	12473005	1	Slider Hanger	
24	12473039	2	CCP Base	
25	05516810	1	Carriage Magnet N	
26	05506811	1	Carriage Magnet S	
27	06161004	1	Carriage Magnet A	
28	06351001	1	Carriage Magnet B	

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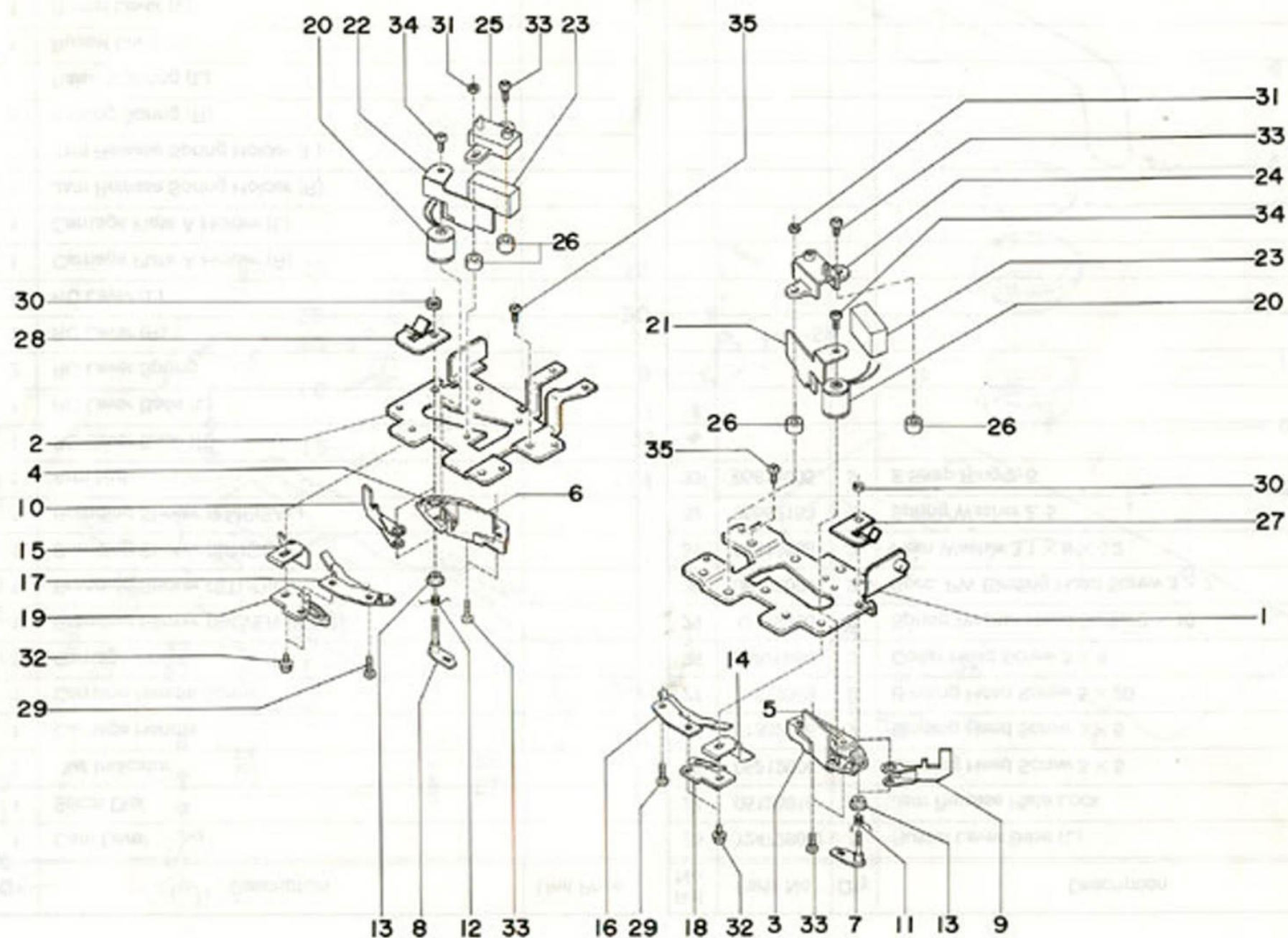
CARRIAGE GROUP (C)



Ref. No.	Parts No.	Qty	Description	Unit Price
1	04066718	1	Cam Lever	
2	04076717	1	Stitch Dial	
3	12479325	1	Dial Indicator	
4	12451142	1	Carriage Handle	
5	05741004	1	Carriage Handle Screw	
6	12479416	1	Carriage Cover	
7	12493268	1	Branding Sticker (SILVER REED)	
		1	Branding Sticker (STUDIO)	
		1	Branding Sticker (SINGER)	
		1	Branding Sticker (EMPISAL)	
8	12488359	1	Arm Nut	
9	05406814	1	RC Lever Base (R)	
10	05416813	1	RC Lever Base (L)	
11	04561205	2	RC Lever Spring	
12	05426812	1	RC Lever (R)	
13	05436811	1	RC Lever (L)	
14	04730610	1	Carriage Plate A Holder (R)	
15	04740619	1	Carriage Plate A Holder (L)	
16	04130613	1	Jam Release Spring Holder (R)	
17	04140612	1	Jam Release Spring Holder (L)	
18	05136817	1	Raising Spring (R)	
19	05146816	1	Raising Spring (L)	
20	04411203	1	Russel Lever (R)	
21	04421202	1	Russel Lever (L)	
22	12472882	1	Russel Lever Base (R)	

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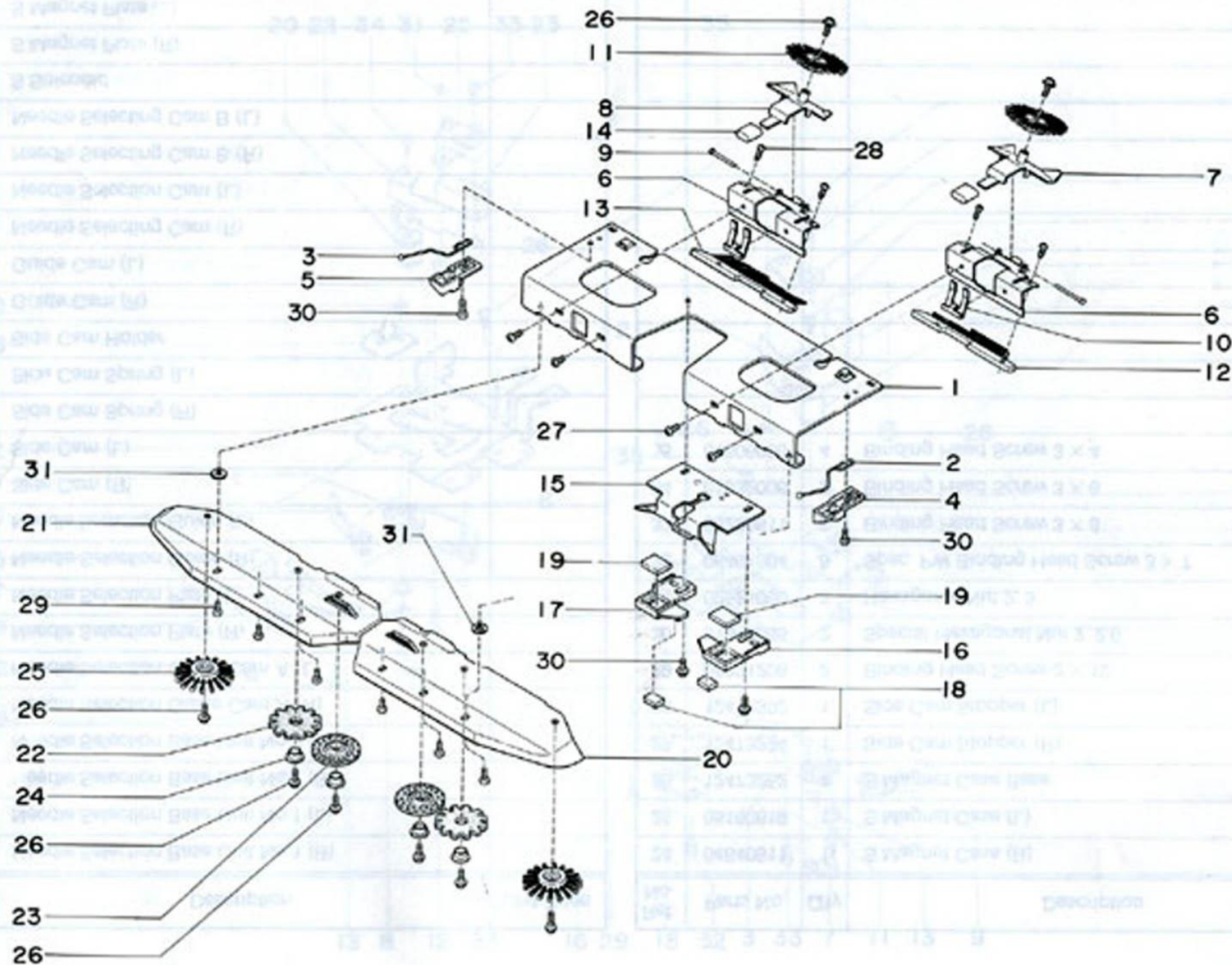
CARRIAGE GROUP (D)



Ref. No.	Parts No.	Qty	Description	Unit Price
①	12473068	1	Needle Selection Base Unit No.1 (R)	
②	12473096	1	Needle Selection Base Unit No.1 (L)	
1	12473104	1	Needle Selection Base Unit No.2 (R)	
2	12473112	1	Needle Selection Base Unit No.2 (L)	
3	04520615	1	Needle Selection Guide Cam A (R)	
4	04530614	1	Needle Selection Guide Cam A (L)	
5	04580619	1	Needle Selection Plate (R)	
6	04590618	1	Needle Selection Plate (L)	
7	12473153	1	Needle Selection Guide (R)	
8	12473161	1	Needle Selection Guide (L)	
9	12473187	1	Side Cam (R)	
10	12473195	1	Side Cam (L)	
11	04480612	1	Side Cam Spring (R)	
12	04490611	1	Side Cam Spring (L)	
13	04470613	2	Side Cam Holder	
14	04500617	1	Guide Cam (R)	
15	04510616	1	Guide Cam (L)	
16	04565230	1	Needle Selecting Cam (R)	
17	04575239	1	Needle Selection Cam (L)	
18	04540613	1	Needle Selecting Cam B (R)	
19	04550612	1	Needle Selecting Cam B (L)	
20	04630612	2	S Solenoid	
21	04600615	1	S Magnet Plate (R)	
22	04610614	1	S Magnet Plate (L)	
23	04620613	2	S Magnet	

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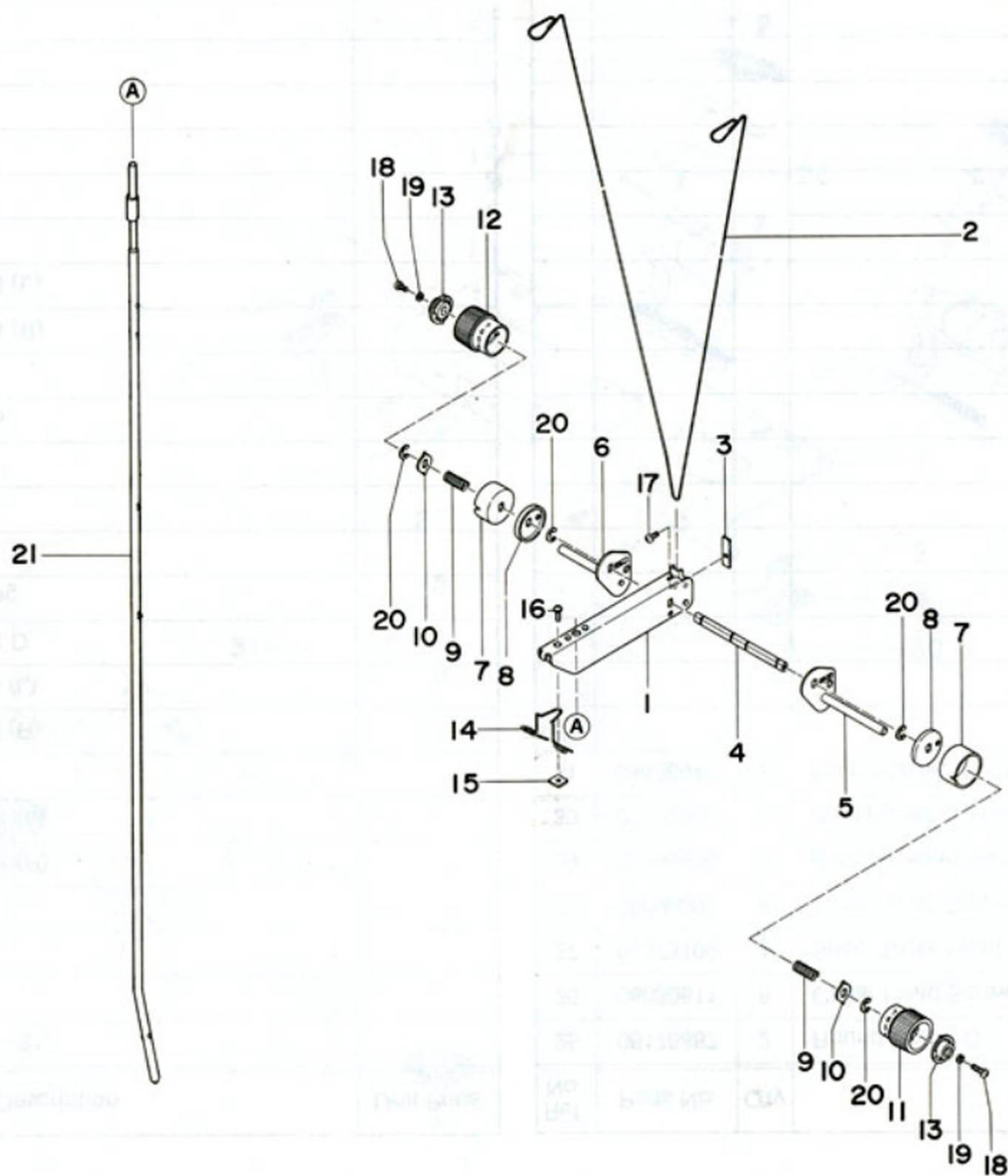
ARM GROUP



Ref. No.	Parts No.	Qty	Description	Unit Price
○	12492765	1	Arm Unit (No. No.1 ~ 31)	
1	06026819	1	Arm	
2	06030811	1	Yarn Holder (R)	
3	06040810	1	Yarn Holder (L)	
4	16050817	1	Weaving Yarn Feeder (R)	
5	16060816	1	Weaving Yarn Feeder (L)	
6	06056816	2	Brush Holder	
7	12492799	1	Weaving Brush Base (R)	
8	12492807	1	Weaving Brush Base (L)	
9	06210819	2	Weaving Brush Shaft D	
10	06096838	2	Weaving Brush Spring	
11	12492815	2	Weaving Brush	
12	06106819	1	Clearing Brush (R)	
13	06276810	1	Clearing Brush (L)	
14	12476966	2	Weaving Brush Knob	
15	06116818	1	Yarn Feeder	
16	12473955	1	Arm Magnet Cover B (R)	
17	12473963	1	Arm Magnet Cover B (L)	
18	12473971	2	Arm Magnet A	
19	06186811	2	Arm Magnet B	
20	06206817	1	Fabric Presser (R)	
21	06216816	1	Fabric Presser (L)	
22	12492823	2	Rubber Gear	
23	06256812	2	Round Rubber	
24	06156889	4	Rubber Gear Collar	

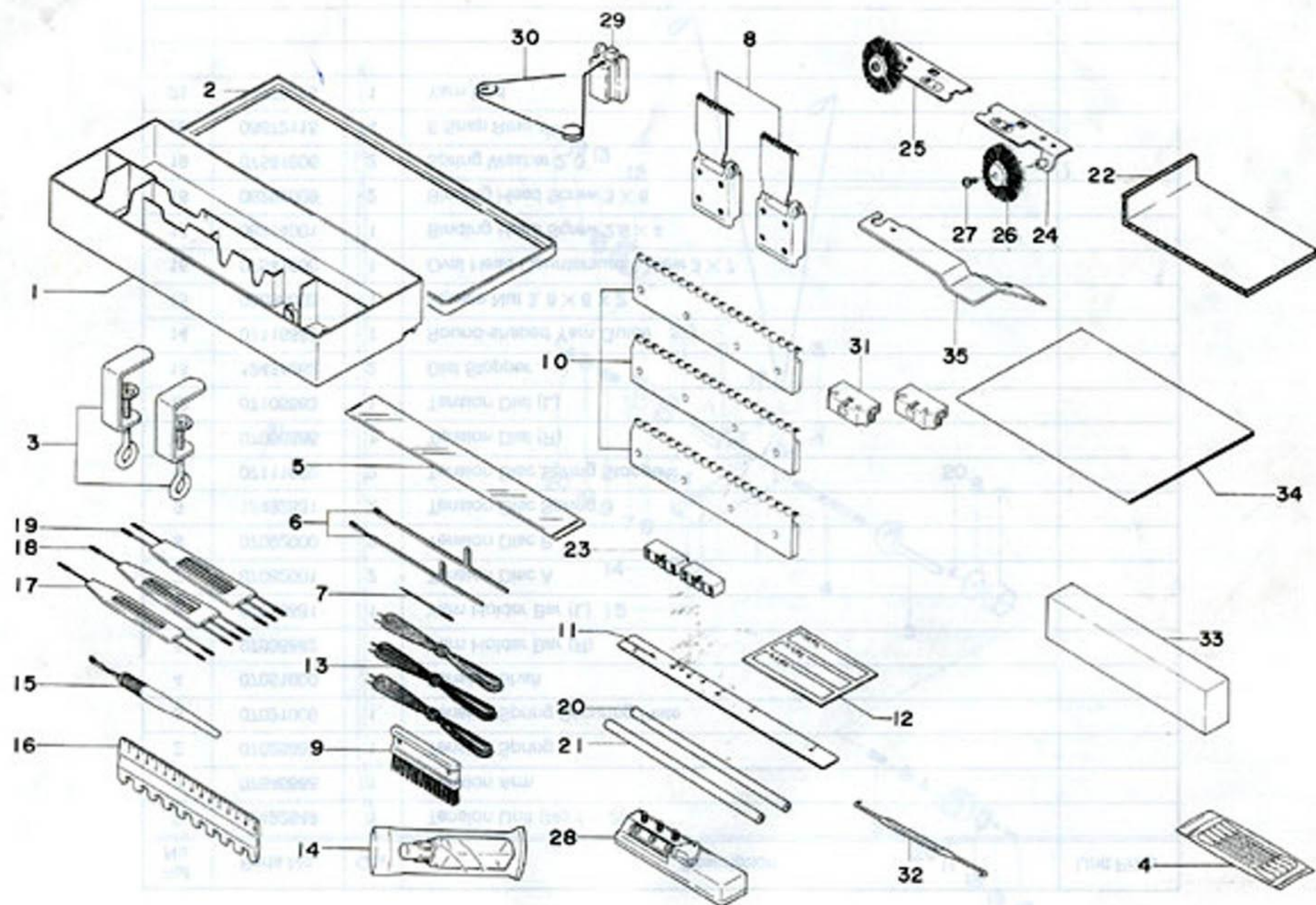
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TENSION GROUP



Ref. No.	Parts No.	Q'ty	Description
◎	12492849	1	Tension Unit (No.1 ~ 20)
1	07646888	1	Tension Arm
2	07026883	1	Tension Spring
3	07021009	1	Tension Spring Securing Plate
4	07051600	1	Tension Shaft
5	07036882	1	Yarn Holder Bar (R)
6	07046881	1	Yarn Holder Bar (L)
7	07082001	2	Tension Disc A
8	07092000	2	Tension Disc B
9	12492831	2	Tension Disc Spring
10	07111602	2	Tension Disc Spring Stopper
11	07096886	1	Tension Dial (R)
12	07106883	1	Tension Dial (L)
13	12434262	2	Dial Stopper
14	07116882	1	Round-shaped Yarn Guide
15	02036002	1	Square Nut 3, 8 × 8 × 2
16	07541600	1	Oval Head Countersunk Screw 3 × 7
17	06214001	1	Binding Head Screw 2.6 × 4
18	06291009	2	Binding Head Screw 3 × 8
19	07581606	2	Spring Washer 2, 3
20	08672115	4	E Snap Ring 4
21	12479275	1	Yarn Rod

ACCESSORY GROUP



Ref. No.	Parts No.	Qty	Description	Unit Price
○	12492914	1	Accessory Complete (No.1 ~ 33)	
○	12492906	1	Accessory Box Unit	
1	12492856	1	Accessory Box A	
2	12404141	1	Accessory Box B	
3	07321201	1	Clamp Rep. 14321160	
4	07755234	1	Sensor Cleaner Set	
5	08222119	1	Needle Envelope	
6	12492690	3	Latch Needle	
7	07246887	1	Tapestry Needle (2.1 × 6.5)	
8	07206824	2	Claw Weight	
9	07342009	1	Cleaning Brush	
10	07686884	3	Comb Weight	
11	12434288	1	Gauge Scale	
12	07702004	1	Name Paper	
13	12462719	3	Ravel Cord Rep. 07332000	
14	07922008	1	Oil Container	
15	12425567	1	Tappet Tool	
16	12419669	1	Needle Pusher (0 ~ 1/1)	
17	12419685	1	Transfer Tool (1 ~ 2)	
18	12419693	1	Transfer Tool (1 ~ 3)	
19	12419701	1	Transfer Tool (2 ~ 3)	
20	07380629	1	Design Pensil (3 stars)	
21	07390628	1	Design Pensil (1 star)	
22	12479218	1	Accessory Box Packing	
23	12492864	2	N1 Cam	

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