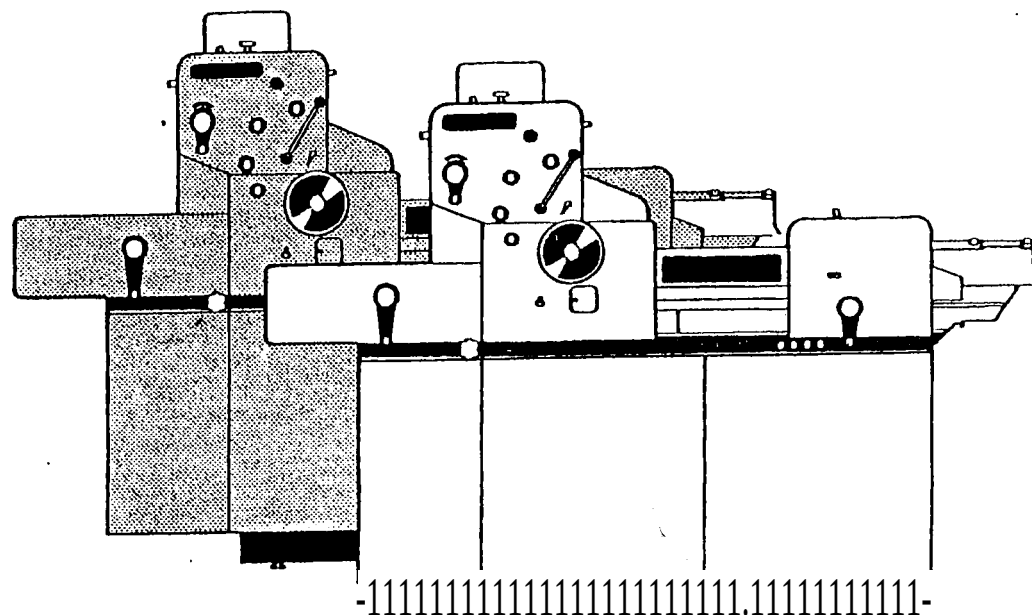


HP-4345-DU
Rev. 6/96

1450/1650 DUPLICATOR

parts catalog



explanatory notes

ALWAYS USE PART NUMBER AND DESCRIPTION WHEN ORDERING PARTS. DO NOT ORDER BY KEY NUMBER.

GENERAL

This illustrated Parts Catalog has been prepared to assist in identification of parts which require replacement as a result of wear, damage or loss.

PARTS GROUPS

A group shows a main physical sub-assembly. Each group comprises an itemized illustration and a list of parts shown in the illustration.

KEY

Every part or assembly listed has a key number which corresponds to the illustration. The key number for an assembly will appear in the illustration in a circle near the appropriate parts.

A suffix (A to Z, with the exception of I and O) may be added to the key number for parts which are identical as far as installation and function are concerned, but which differ in part, e.g. motors for different voltages (also relays, solenoids, etc.).

999 key numbers are given for parts not shown in the illustration.

PART NUMBER

Always use the full part number when ordering parts.

DESCRIPTION

This column includes the names of the parts in the group. Parts which require permanent riveting, welding or assembly in jigs or fixtures will be furnished assembled and not called out separately in the list.

CITY

This column shows the quantity of each part in the assembly.

PART CHANGES

Addendums or Amendments are issued when a new part is added or a part number is changed. Add or replace these new pages (with the word Amendment or Addendum printed along the bottom of the page) in the parts catalogs.

NUMERICAL INDEX

This section lists the parts numbers in numerical order and gives the drawing number (group number) and key number for identification.

SPECIAL NOTES

If a note number (NT) appears to the right of the quantity (QTY) column, reference should be made to the appropriate note at the end of the group listing.

AM Multigraphics reserves the right to modify specifications or design without incurring the obligation to change machines already sold.

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Published by Service Publications, AM Multigraphics, June 1994_
Revised June 1996.

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DESCRIPTION	GROUP	PAGE	DESCRIPTION	GROUP	PAGE
Alternate Sheet Feed (Option)	55	119	Inching Switch	40	85
<u>Angular Adjustment Clamp (Option)</u>	57	125	Infeed Rolls	7	13
Auto Ink Override	40	85	Ink Clean-up Assembly	39	83
Blanket Cleaner (Option)	56	121	Ink Ductor Shaft Assembly	37	79
Blanket Cleaner Fountain (Option)	4	123	Ink Fountain & Drive Assembly	38	81
Blanket Cylinder 0.9 cA.A1.7744...5- i.V.502... -6- riMinja-19	19	39	Ink Roll System, Basic	32	67
Blower Assembly, Side/Backstop	2	3	Ink Roll System, MC	34	71
Control Panel —t CA WT11R.	15	31	Ink Roll System, XE	33	69
Conventional Moisture System	25	51	Interlock Assembly, Door	53	115
Conventional Moisture System Right Side Plate	27	55	Jogger Receiving Tray	46	97
Conventional Moisture System Rolls	26	53	Kompac Moisture System	30A	63
Conveyor Assembly, Left	12	25	Light Fixture	49	107
Conveyor Assembly, Right	13	27	Master Cylinder t.t.)ILE M Ca - <AAA/ 3.4	21	43
Conveyor Jogger Select Assembly	14	29	Master Cylinder Lead Edge Clamp	23	47
Covers, Left	50	109	Master Cylinder Shaft Assembly	22	45
Covers, Right - MC	52	113	Master Cylinder Trail Edge Clamp	24	49
Covers, Right - Basic, XE	51	111	Master Cylinder Wrench Assembly	36	77
Cylinder Latch-up 4Q (N) 1 -12- L5	17	35	MC Moisture Control	40	85
Door Assemblies	53	115	MC Moisture System, Lett	29	59
Double Sheet Ejection Assembly	8	17	MC Moisture System Right	30	61
Doubles Detector	7A	15	MC Moisture System Rolls	28	57
Drive Belts - N/S	47A	101	Moisture Bottle/Bracket Assembly	31	65
Drive Belts - O/S	47	99	Motors - N/S	47A	101
Ejector Roll Assembly	44	93	Motors - O/S	47	99
Elevating Frame	16	33	Night Latch Shaft	36	77
Elevating Shaft Assembly	3	5	Non-Rotating Handwheel (Option)	58	127
Emergency Stop	40	85	Paper Feed Table	1	1
Exit Guard Assembly & Cover	45	95	Paper Height Control Assembly	5	9
Fan Assembly	54	117	Power Box Assembly	48	103
Feed Roll	16	33	Power Box Assembly - 115V	48B	106A
Feeder Drive Assembly	4	7	Power Box Assembly, MC	48A	105
Gear Driven Third Form Roll & Lower Oscillating Roller	35A	75	Power Switch	16	33
Guide Assembly	1	1	Pump - N/S	47A	101
Handwheel Assembly	17	35	Pump - O/S	47	99
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Feed Assembly	61	133			
Feed Mechanism	62	135			
Table Assembly	59	129			
Chain Delivery	64-75	139-159			
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Tinsel Holder	73	157			
NUMERICAL INDEX		161			



installation bulletin

Technical Service

Subject MOCkt 1450.1650

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134.210103

3

Dist TechnitatIVienagement
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Not)B-012QQ

6-5tOp-\$Witch, Mut number 11.-1---1-95828-is no longer avo la a fivm maimaacturer.

Part number 134-210103 includes allragla needed to insta new E-stop svidch into exiSting holder.

Disconnect wiling-harness going to Holder A,

Remove Holder Atom rnacfine;

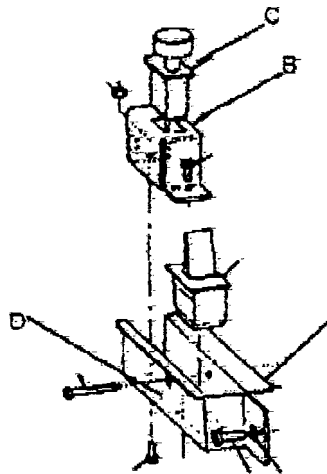
Remove HolderEr horn Floidef A and discani

FDe.1137' off each. side of fectanguier hole 13, or until- new **switch- assembly** iitethrough-hole-in-Hdlciat A.

Mount new switch assembly onto. Holder A, theareinstatt Holder A onto rrtachine.

ContWas-stcri switch assembly harness- tic E.stOp machine harnasa. •

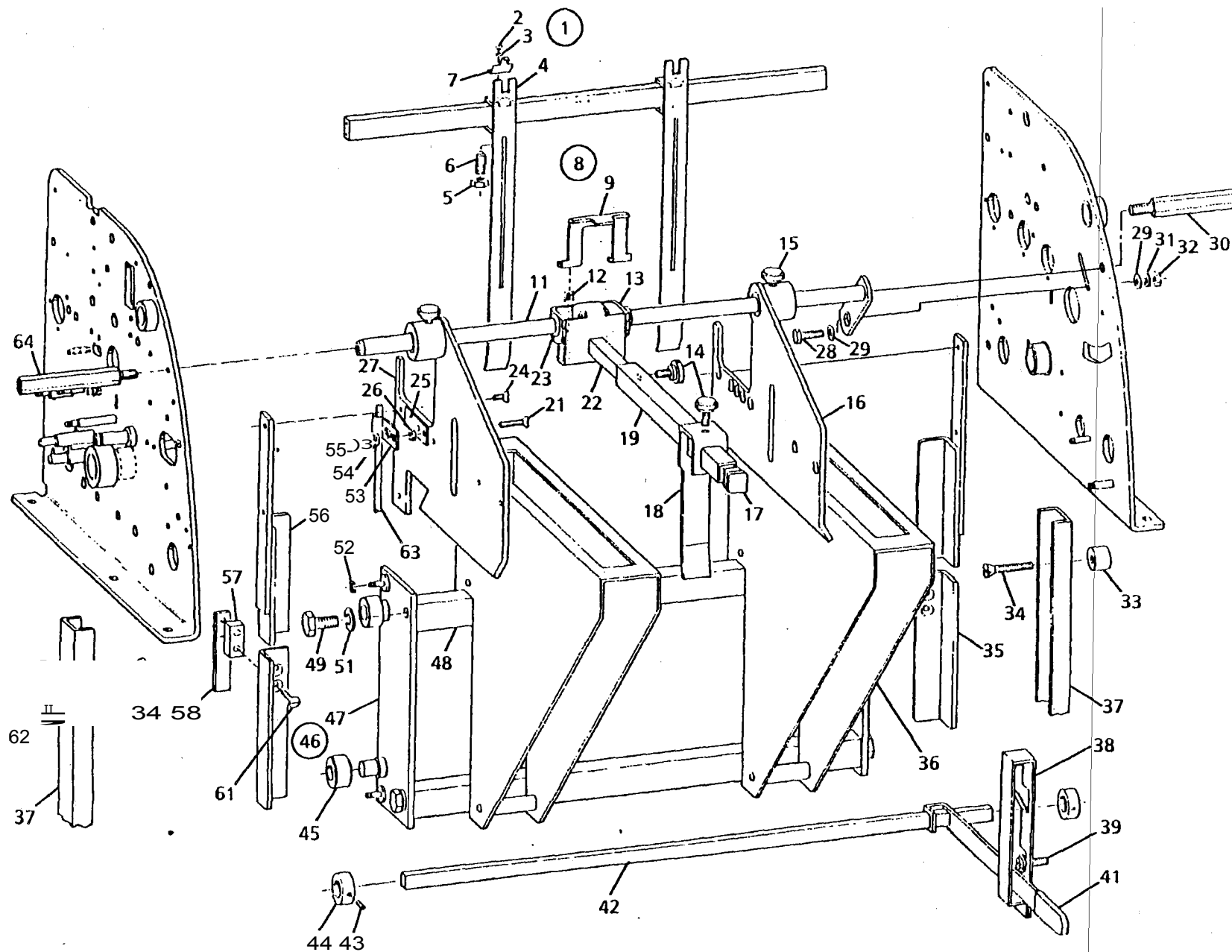
Note;

itwiring_ harness-is not attached-to-switch; connect smell- connectors on harness to rtinals al422
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GROUP 1 - Paper Feed Table & Guide Assembly

Technical Service**TB-2519-DU
General- 54**

Dist Technical Management
Administrative Management
Technical Representatives
Home Office Management
International Subs/Dealers

Subject NiS Backstop Assembly Kits**Date: March 31, 1995**

4110111.110

MODELS: 2650, 2850, 2975, 1300, 1400, 1600, 1100, 1900, 3850, 3875, 4600

CONDITION: To eliminate Feeder Backstop assembly failure. The old style backstop rod assembly has been obsoleted and replaced with an upgraded backstop locking assembly.

ACTION AT THE PLANT: New Backstop parts have been incorporated beginning with July, 1994 production,

ACTION IN THE FIELD: When backstop locking mechanism fails, order one of the following kits using standard ordering procedure.

Models 26605, 18505 29755 - Order Kit P/N 13-0-209315. Kit includes:

13-6-209137	Rod Assembly	(1)	50162	Nut, Keps, 10-32	(2)
13-7-209136	Bracket	(1)	50606	Set Screw, 10-32x5/8	(2)
13-8-209135	Block	(2)			

Models 1300, 1400, 1600, 1100, 3850, 3875 - Order Kit P/N 13-9-209316. Kit includes of:

13-5-209138	Rod Assembly	(1)	50162	Nut, Keps, 10-32	(2)
13-7-209136	Bracket	(1)	50606	Set Screw, 10-32)(5/8	(2)
13-8-209135	Block	(2)			

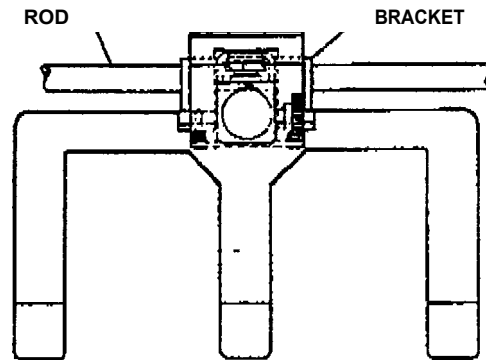
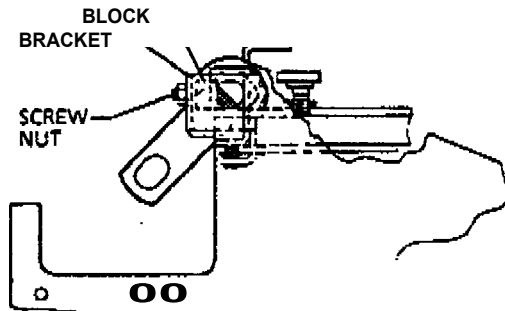
Models 1900, 4600 - Order Kit P/N 13-8-209317. Kit includes of:

13-4-209139	Rod Assembly	(1)	50162	Nut, Keps, 10-32	(2)
13-7-209136	Bracket	(1)	50606	Set Screw, 10-34518	(2)
13-8-209135	Block	(2)			

On the aid style rod assembly the fiat side faces down.

On the new style rod assembly the flat side faces the back of the machine:

The new style assembly has a new bracket to accommodate the two new support blocks, screws and nuts.



g0447 *B. C. Phillips*

B. C. Phillips
National Service Director

BCPLIR:ja

toup 1 Paper Feed Table & Guide Assembly

KEY	PART NUMBER	Drsouptipm	QTY NT	KEY	PART HUMBER	DESCRIPTION	QTY NT
I	13-7-194882	BRACKET ASSY. IHCL 2-6	2	33	11-4-193903	SPACER, PAPER TABLE	2
2	71-4024	SCREW 1-40	1	34	48-407-490B	SCREW, Fit. 1/4-20X1	2
3	216-2401	WASHER	1	35	13-4-11/102	GUIDE ASSY. R.	1
4	13-6-188745	SEPARATOR ASSY.	1	36	13-1-195323	BKT. ASSY. PILE BOARD	2
5	4-317	HUT, HEX 5/16-24	1	37	13-3-195321	CHANNEL. GUIDE PAPER	2
6	4-731-A	RETAINER ASSY	1	33	13-1-193906	LATCH, PAPER CARRIER	1
7	120-4035-iv	CLIP	2	39	48-441-410B	SCREW, IHD ROLL. 1/4-20	1
	13-A-196088'	OUIDE ASSY. PAPER FEED	1	41	13-2-193962	LEVER, LOCKING	1
		INCL. 9-27		42	13-2-193905	BAR. LOCKING	1
9	13-1-190407	OKT., BACKSTOP MTO.	1	43	850-5444	SET SCREW 8-52X1/4	2
11	13-7-190401	ROD ASSY., BACKSTOP MI6		44	13-4-194638	COLLAR, BAR LOCKING	2
	13-5-209138	ROD ASSY. N/5	1 1	45	112-235	ROLLER	4
12	120-11002	SPRING	2	46	13-2-195322	TABLE ASSY. ELEV. SUPPORT	1
13	13-3-190405	STOP, BRACKET	1		47-51		
	13-7-209136	BKr., BACKSTOP NIS	1 1	47	13-8-194972	SIDE PLATE ASSY TABLE L.	1
	13-8-209135	BLOCK, HIS	2 1		13-4-195320	SIDE PLATE ASSY TABLE R.	1
	13-9-195796	SET SCREW NIS	2 1	48	11-0-195316	SUPPORT, TABLE ELEVATING	2
	190-102	KB'S NUT, HIS	2 1	49	48-411-4148	SCREW, HEX 3/8-16X3/4	4
14	13-1-193427	SCREW, THUMB 1/4-20	2	51	48-438-5098	WASHER. LOCK 3/8	4
/5	13-5-186328	SCREW. THUMB 1/4-20	2	52	1720-103/	RETAINER	2
16	13-7-197109	GUIDE PLATE R. COMP		53	13-6-192291	CLAMP	2
17	13-0-193428	END CAP		54	31610	WASHER, SPRING	4
18	13-1-191538	BKT ASSY., BACKSTOP		55	91-2152	NUT, LOCK	4
19	13-5-190395	TUBE ASSY.	1	56	13-3-197103	GUIDE ASSY. t.	1
21	48-409-4470	SCREW, FIL HD 10-32X7/8	4	57	13-3-194639	SPACER, FEEDER LOCK	2
22	13-9-190409	BKT ASSY., BACKSTOP	1	58	13-5-194637	SPRING, CLAMP	2
23	750-573	O RING	2	61	48-409-407C	SCREW, I0-32X3/4	4
24	48-409-1570	SCREW. 10-32X5/16	4	62	13-8-195318	SPACER	2
25	13-5-192292	SPACER, BLOWER TUBE	2	4. 63	13-9-196141	HOSE ASSY. SEE GP IO 016	
26	48-435-0360'	NUT, HEX 10-32	4	64	13-7-187290	STANDOFF, 0/5 MACH.	1
27	13-0-197106	GU/DE PLATE L. COMP.	1	999	13-6-195526	PILE BOARD 8-1/2X11	
28	48-411-4100	SCREW. HEX I/4-20X314			13-5-195527	PILE BOARD 11XI7	1
29	F2-2064	WASHER, FLAT 17/64 ID	2		13-7-193991	LAOEL, PAPER TABLE REL.	I
30	13-5-196699	STANDOFF, 0/5 MACH.		N	13-9-249316	KIT, BACKSTOP ASSY. N/S	
31	48-438-208B	WASHER. LOCK 114	1		NOTE 11	INCL. IH BACKSTOP KIT	
32	48-435-043D	NUT, HEX 1/4-20					

* Indkates Change

190-102	NUT, KEPS 1/4-28	
13-9-195796	SCREW, SET 1/4-20X3/4 CP NX	2
13-8-209135	BLOCK, FOR BACKSTOP	2
13-7-209135	BRACKET, BACKSTOP OETENT	
13-5-20908	ROD ASSY, BACKSTOP WIG	
PART NO.	PART NAME	011
Krt, BACKSTOP- 1650'		
POPPOMM 13-Q-20431 6		

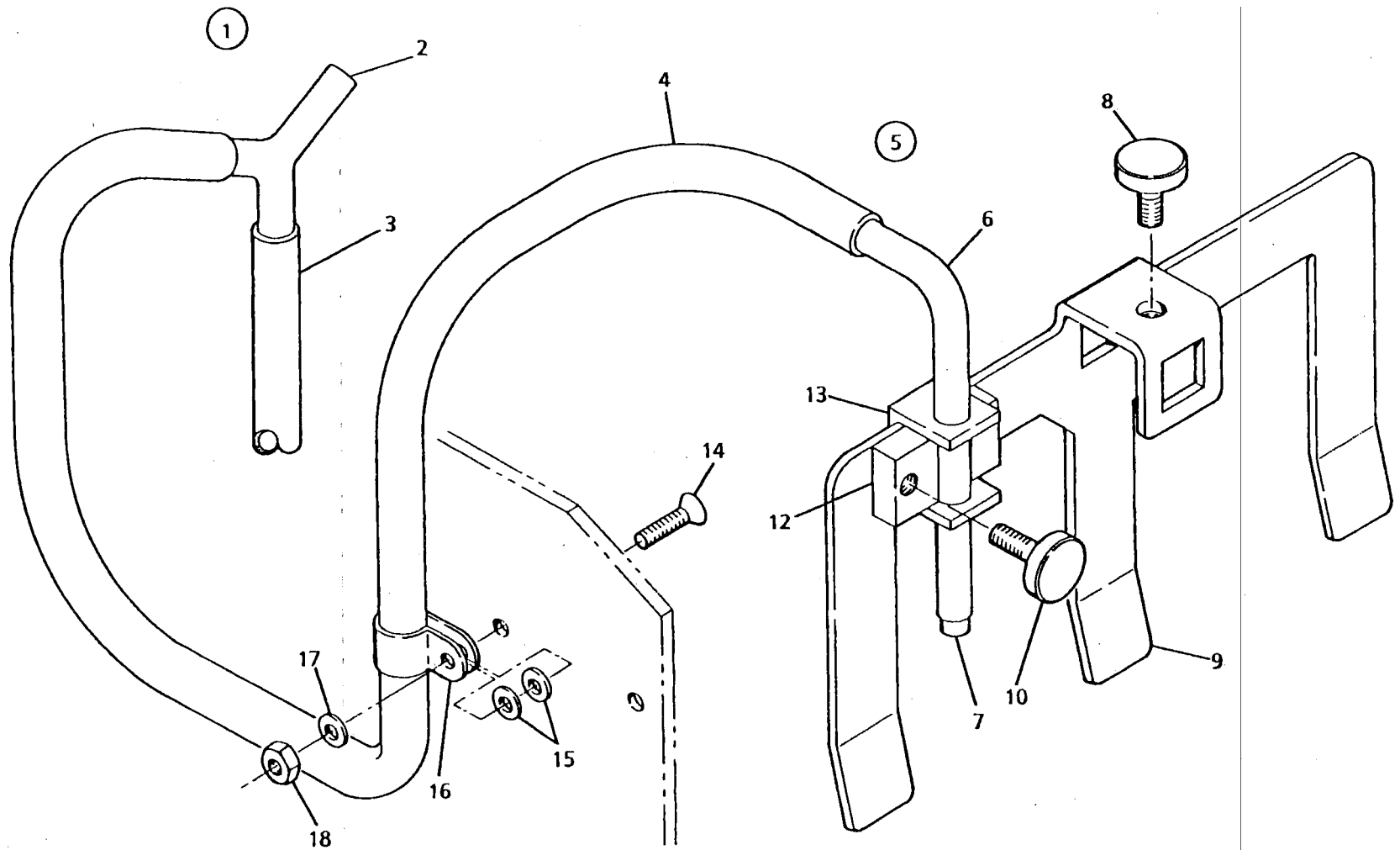
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GROUP 1 - Paper Feed Table & Guide Assembly

KEY	PART NUMBER	DESCRIPTION	QTY	NT	KEY	PART NUMBER	DESCRIPTION	QTY	NT
		<i>TiAl2_0_ -"</i>							
1	13-7-194882	BRACKET ASSY. INCL 2-6	2		33	13-4-193903	SPACER, PAPER TABLE	2	
2	71-4024	SCREW 4-40	1		34	48-407-4908	SCREW, FIL. 1/4-20X1	2	
3	216-2401	WASHER	1		35	13-4-197102	GUIDE ASSY. R.	1	
4	13-6-188745	SEPARATOR ASSY.	1		36	13-1-195323	BKT. ASSY. PILE BOARD	2	
5	4-337	NUT, HEX 5/16-24	1		37	13-3-195321	CHANNEL, GUIDE PAPER	2	
6	4-731-A	RETAINER ASSY	1		38	13-1-193906	LATCH, PAPER CARRIER	1	
7	120-4033	CLIP	2		39	48-441-4108	SCREW, TID ROLL. 1/4-20	1	
8	13-4-196088	GUIDE ASSY. PAPER FEED	1		41	13-2-193962	LEVER, LOCKING	1	
		INCL. 9-27			42	13-2-193905	BAR, LOCKING		
9	13-1-190407	BKT., BACKSTOP MTG.	1		43	850-5064	SET SCREW 8-32X1/4	2	
11	13-7-190401	ROD ASSY., BACKSTOP MTG	1		44	13-4-194638	COLLAR, BAR LOCKING	2	
	13-5-209138	ROD ASSY. N/S	1	1	45	112-235	ROLLER	4	
12	120-11002	SPRING	2		46	13-2-195322	TABLE ASSY. ELEV. SUPPORT	1	
13	13-3-190405	STOP, BRACKET	1				INCL. 47-51		
	13-7-209136	BKT., BACKSTOP N/S	1	1	47	13-8-194972	SIDE PLATE ASSY TABLE L.	1	
	13-8-209135	BLOCK, N/S	2	1		13-4-195320	SIDE PLATE ASSY TABLE R.	1	
	13-9-195796	SET SCREW NIS	2	1	48	13-0-195316	SUPPORT. TABLE ELEVATING	2	
	190-102	KEPS NUT, N/S	2	1	49	48-411-4148	SCREW, HEX 3/8-16X3/4		
14	13-1-193427	SCREW, THUMB 1/4-20	2		51	48-438-5098	WASHER, LOCK 3/8	4	
15	13-5-186328	SCREW, THUMB 1/4-20	2		52	1720-1031	RETAINER	2	
16	13-7-197109	GUIDE PLATE R. COMP	1		53	13-6-192291	CLAMP	2	
17	13-0-193428	END CAP	1		54	31610	WASHER, SPRING		
18	13-1-191538	BKT ASSY., BACKSTOP	1		55	91-2152	NUT, LOCK	4	
19	13-5-190395	TUBE ASSY.	1		56	13-3-197103	GUIDE ASSY. L.	1	
21	48-409-4470	SCREW, FIL HD 10-32X7/8	4		57	13-3-194639	SPACER. FEEDER LOCK	2	
22	13-9-190409	BKT ASSY., BACKSTOP	1		58	13-5-194637	SPRING, CLAMP	2	
23	750-573	O RING	2		61	48-409-407C	SCREW, 10-32X3/4	4	
24	48-409-1570	SCREW, 10-32X5/16	4		62	13-8-195318	SPACER	2	
25	13-5-192292	SPACER, BLOWER TUBE	2		63	13-9-196141	HOSE ASSY. SEE GP 10 816		
26	48-435-0360	NUT, HEX 10-32	4		64	13-7-187290	STANDOFF. O/S MACH.	1	
27	13-0-197106	GUIDE PLATE L. COMP.	1		999	13-6-195526	PILE BOARD 8-1/2X11	1	
28	48-411-4100	SCREW, HEX 1/4-20X3/4	1			13-5-195527	PILE BOARD 11X17	1	
29	F2-2064	WASHER, FLAT 17/64 ID	2			13-7-193991	LABEL, PAPER TABLE REL.	1	
30	13-5-196699	STANDOFF, O/S MACH.	1			13-9-209316	KIT, BACKSTOP ASSY. N/S		
31	48-438-2088	WASHER, LOCK 1/4	1			NOTE I:	INCL. IN BACKSTOP KIT		
32	48-435-0430	NUT, HEX 1/4-20	1						

**

Indicates Change

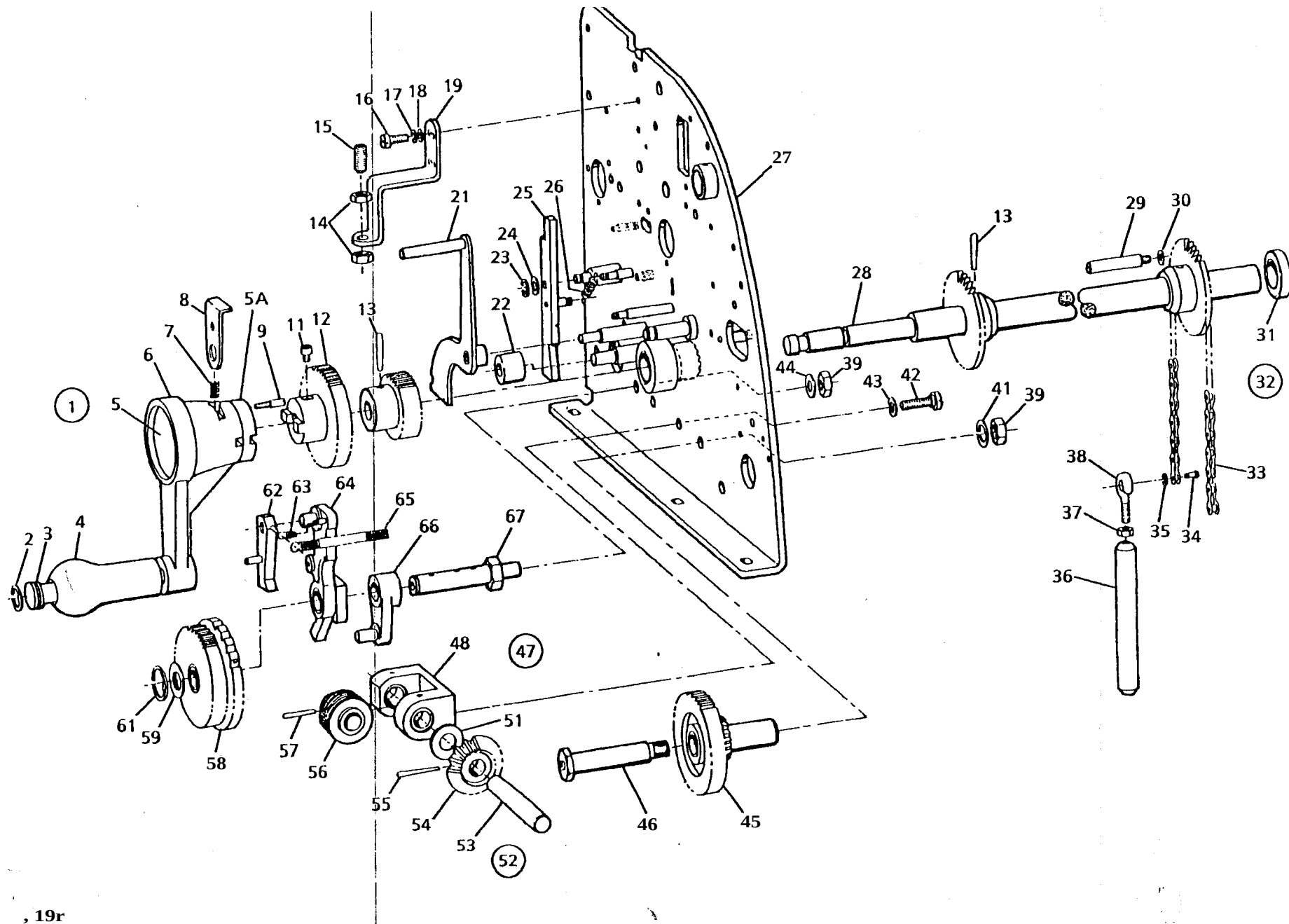
GROUP 2 - Blower Assembly, Side/Backstop

GROUP 2- Blower Assembly, Side/Backstop

KEY	PART NUMBER	DESCRIPTION	QTY NT
1	13-1-195117	BLOWER ASSY., FRONT SIDE	1
2	120-2047	CONNECTOR, Y	1
3	120-2045	HOSE, 3/8 X 9/16 X 16	1
4	130-1803	HOSE, 5/16 X 1/2 X 36	2
5	13-6-195112	TUBE ASSY.	2
6	13-5-195113	TUBE, BLOWER	2
7	13-5-190361	PLUG	2
8	13-1-193427	THUMB SCREW	1
9	13-5-190403	BACK STOP	1
10	13-3-195115	THUMB SCREW	2
12	13-4-195114	CLAMP, TUBE	2
13	13-7-195111	CLAMP, CHANNEL	2
14	48-409-367D	SCREW, FIL HD 10-32X5/8	2
15	F2-33242	WASHER	4
16	48-063-1107	CLAMP, CABLE	2
17	48-437-0260	WASHER, PLAIN 110	2
18	50162	NUT, KEPS 10-32	2

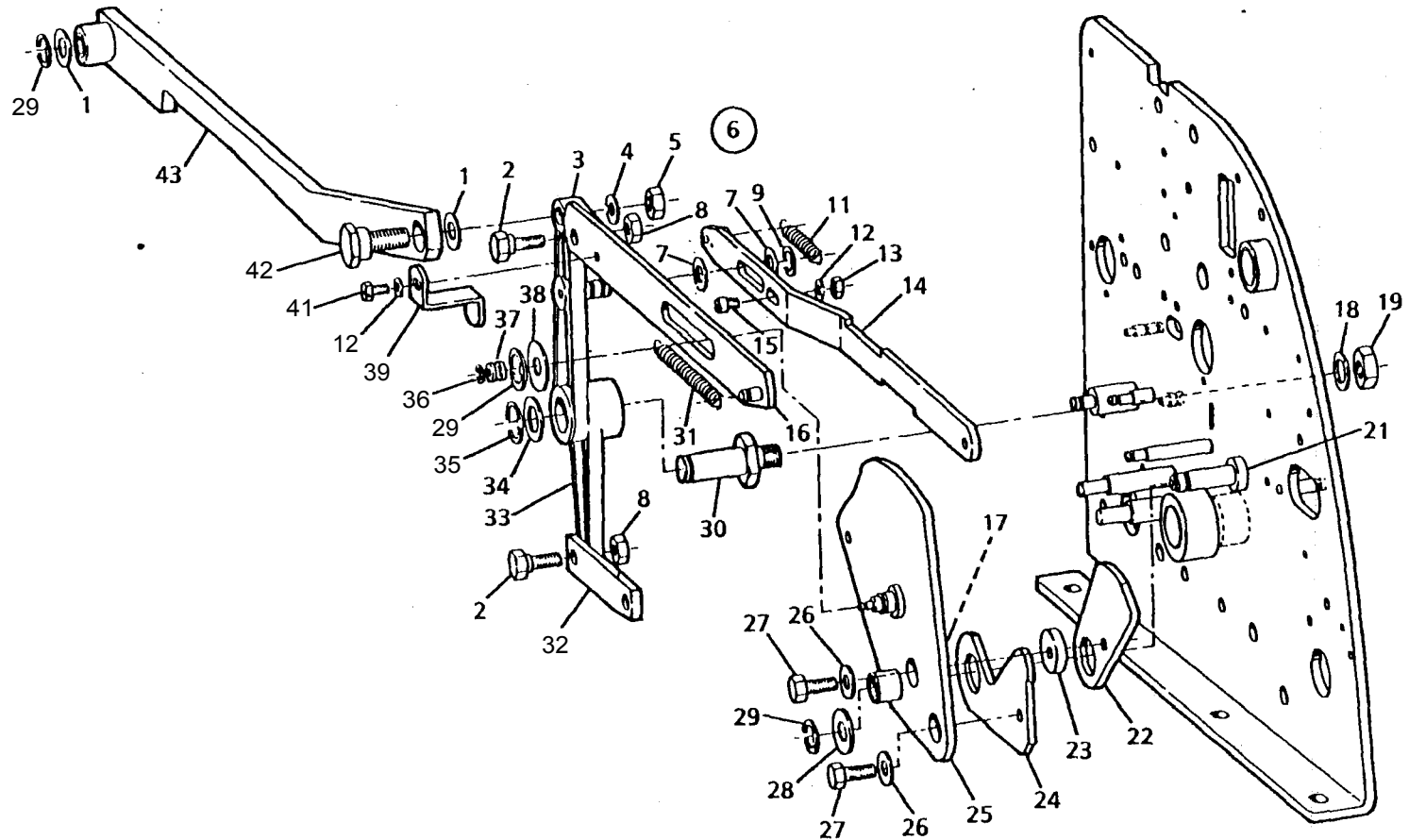
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GROUP 3 - Elevating Shaft Assermbly

GROUP 3 - Elevating Shaft Assembly

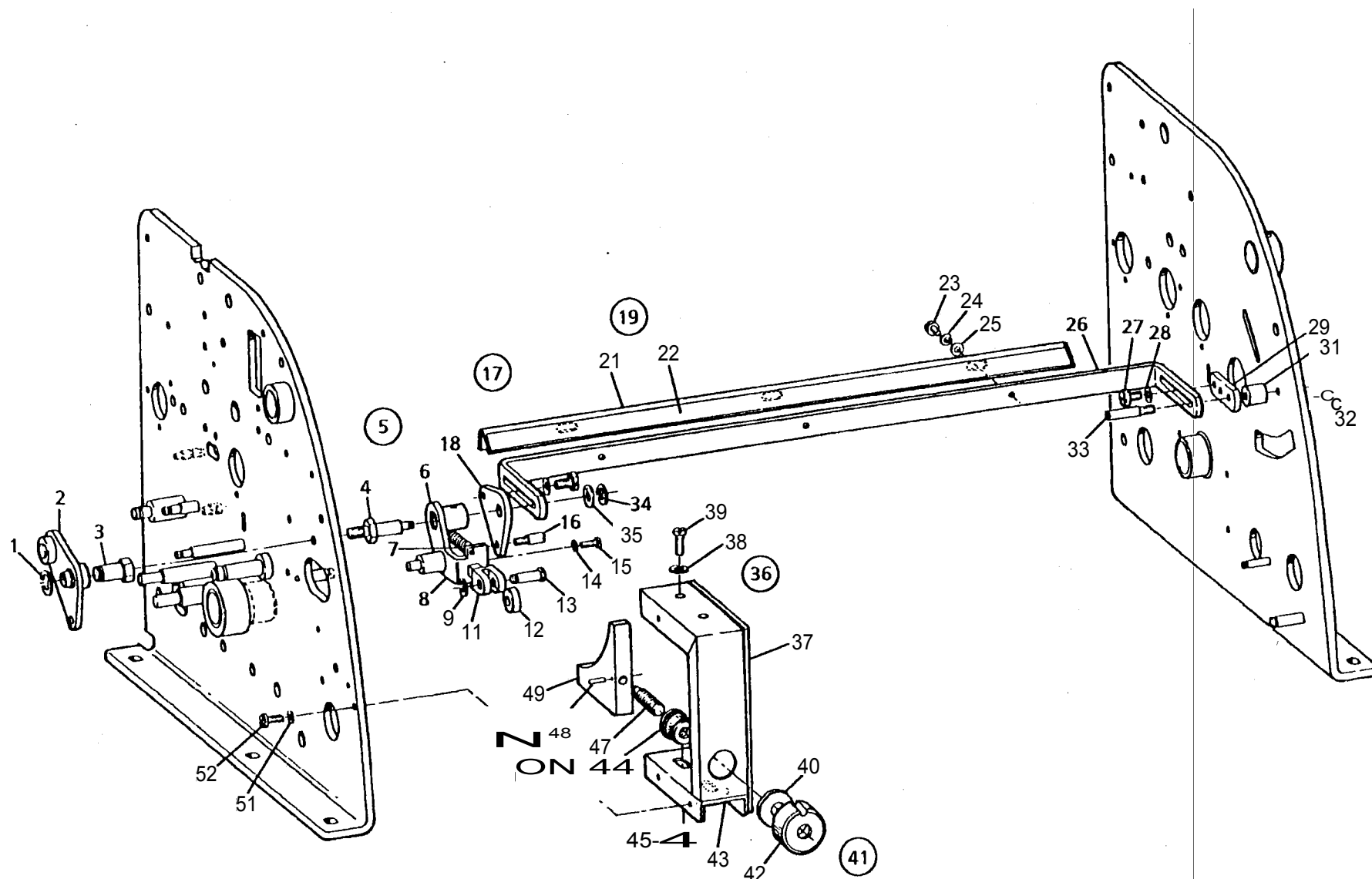
KEY	PART NUMBER	DESCRIPTION	QTY	NT	KEY	PART NUMBER	DESCRIPTION	QTY	NT
1	13-5-197119	CRANK ASSY.	1		33	120-5175-1	CHAIN	1	
2	120-7335	WASHER, C	1		34	120-5176	PIN	1	
3	13-0-192289	PIN	1		35	678-1437	WASHER	1	
4	13-4-142983	HANDLE, CRANK	1		36	13-1-163339	WEIGHT, STACKER	1	
5	13-2-130352	INSERT, HANDLE	1		37	48-435-035C	NUT, HEX 10-24	1	
5A	13-3-187211	ADAPTER	1		38	108-448	SCREW, 10-24X1/2	1	
6	13-0-187602	CRANK	1		39	48-436-054C	NUT	1	
7	WP-2330	SPRING	1		41	60-158	LOCK WASHER	1	
8	185-5174	RETAINER, CRANK	1		42	A7C-4362	SCREW	2	
9	A7-87721	SCREW	1		43	ULG-6011	WASHER, LOCK	2	
11	OG-302	SCREW	1		44	06-1305	WASHER	1	
12	120-5168-2	GEAR, IDLER	1		45	120-5130-1A	GEAR ASSY.	1	
13	130-5103	PIN	3		46	120-5125-A	SCREW ASSY.	1	
14	4-337	NUT	2		47	120-511-A	SHAFT ASSY. BRG BLK/WORM	1	
15	4-731-A	RETAINER ASSY.	1		48	13-2-196874	BLOCK	1	
16	48-406-2770	SCREW, 10-32X1/2	2		51	17-494	WAS	1	
17	48-438-206A	WASHER, LOCK & 10	2		52	120-5115-A	SHAFT ASSY. ELEV. WORM	1	
18	50015	WASHER	2		53	120-5115	PIN	1	
19	13-7-142980	BRACKET	1		54	120-5117	GEAR	1	
21	13-8-187208	RELEASE LEVER ASSY.	1		55	XM-415	PIN	1	
22	120-5154	BUMPER	1		56	120-5116	WORM	1	
23	170-1331	WASHER, C	1		57	06-501	TAPER PIN	1	
24	4-331	WASHER	1		58	120-5160-1A	RATCHET & GEAR ASSY.	1	
25	13-4-190727	LATCH ASSY, DRIVE PAWL	1		59	17-494	WAS	1	
26	13-2-186974	SPRING	1		61	170-1320	C WASHER	1	
27	13-8-196191	PLATE ASSY., FEEDER L.	1		62	120-5151-A	PAWL ASSY., DRIVE	1	
28	13-6-193877	SHAFT ASSY. PAPER ELEV.	1		63	26-4073	SPRING	1	
29	13-6-193976	SCREW, SHOULDER FEEDER L.	1		64	120-515-A	ARM ASSY. RATCHET DRIVE	1	
	120-5422	SCREW, WIN RETAIN. R.	1		65	69-144	SPRING	1	
30	OG-424	WASHER	2		66	120-514-A	LEVER ASSY. DRIVING RTCHT	1	
31	13-3-193904	SPACER, SHAFT PAPER ELEV.	1		67	120-5135-A	STUD ASSY.	1	
32	13-8-163340	CHAIN ASSY. PAPER ELEV.	2						

GROUP 4- Feeder Drive Assembly

GROUP 4- Feeder Drive Assembly

KEY	PART NUMBER	DESCRIPTION	QTY NT
1	117-438	WASHER, $\frac{3}{8}$	1
2	190-5052	SCREW, 1/4-20X19/32	2
3	195-6064	WASHER, FLAT. 38-.75X.025	1
4	06-1305	WASHER, LOCK 3/8	1
5	48-436-054C	NUT	1
6	13-1-195935	LINKAGE ASSY. INCL. 7-16, 32, 33, 39 41	1
7	108-473	WASHER	2
8	48-436-043D	NUT, HEX 1/4-20	2
9	40-1813	WASHER, C	1
11	185-3486	SPRING	1
12	F2-33242	WASHER	1
13	13-0-197999	NUT, 10-32	1
14	13-6-189412	LINK ASSY., DRIVE BAIL	1
15	66-128	SCREW	1
16	185-5702-A	LINK.CAM DRIVE	1
17	930-3223	WASHER	1
18	06-1305	WASHER	1
19	48-436-054C	NUT	1
21	13-4-175512	PIVOT PIN, FAN CAM	1
22	185-5745	CAM, BAR CONTROL	1
23	185-5746	SPACER	1
24	13-9-196067	PLATE, CAM LOCK UP	1
25	13-5-195774	CAM ASSY, SUCTION FOOT	1
26	69-172	WASHER	2
27	190-1027	SCREW, 1/4-20X5/8	2
28	XM-68	WASHER	1
29	170-1802	C WASHER	1
30	13-8-187992	STUD ASSY.	1
31	190-1149	SPRING	1
32	120-5705	LINK DRIVE, PAPER ELEV.	1
33	13-2-195934	LEVER ASSY., FEEDER DRIVE	1
34	17-494	WASHER	1
35	170-1320	C WASHER	1
36	678-1437	C WASHER	1
37	750-3709	BUSHING	1
38	195-6064	WASHER	1
39	120-5735	CLIP, LATCH TRIPPING	1
41	48-411-157C	SCREW, 10-32X5/16	1
42	216-2565	SCREW, ADJ.	1
43	13-4-179159	LINK ASSY, FEEDER DRIVE	1

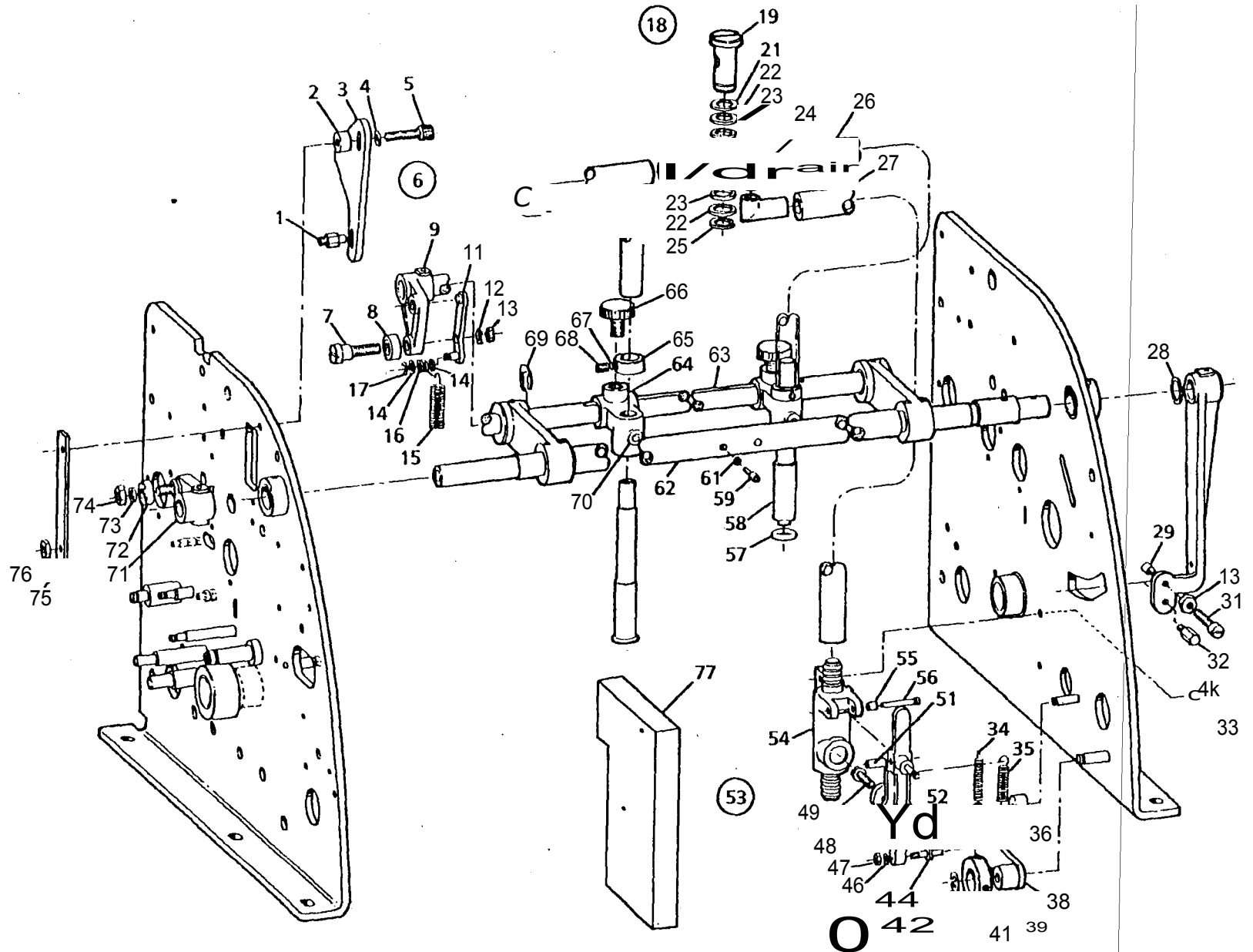
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GROUP 5- Paper Height Control Assembly

GROUP 5 - Paper Height Control Assembly

KEY	PART NUMBER	DESCRIPTION	QTY NT	KEY	PART NUMBER	DESCRIPTION	QTY NT
1	850-2014	C WASHER	1	27	48-411-157C	SCREW, HEX 10-32X5116	2
2	185-5612-A	BELL CRANK ASSY.	1	28	4-539	WASHER, FLAT	2
3	185-5610	STUD, BELL CRANK	1	29	13-4-188069	ARM, HEIGHT CONTROL	1
4	185-5609	STUD, BAIL BAR	1	31	D3-5528	COLLAR	1
5	13-3-195776	BKT. ASSY. BAIL BAR COMP.	1	32	50162	NUT	1
		INCL. 6-16		33	F2-1136	SCREW	1
6	13-1-195760	BRACKET ASSY.	1	34	1720-1031	C WASHER	1
7	13-1-195752	SPRING, EXTENSION	1	35	4-539	WASHER	1
8	13-2-195751	BRACKET, SPRING	1	36	13-8-196860	HOUSING & CAM ASSY. 37-49	1
9	1937-3734	C RING	1	37	13-2-196858	PLATE ASSY. COVER	1
11	13-8-195763	YOKE ASSY	1	38	48-438-205B	WASHER, LOCK 118	2
12	120-5562	BEARING, BALL	1	39	48-419-15411	SCREW. PAN HD. 8-32X5/16	2
13	13-8-195755	PIN, PIVOT	1	40	13-0-198823	WASHER	1
14	48-438-2048	WASHER, LOCK	1	41	13-7-196861	HOUSING ASSY. BAIL BAR	1
15	48-419-1928	SCREW, PAN HD. 6-32X3/8	1			INCL. 42-44	
16	13-9-195754	PIN, PIVOT	1	42	13-8-190566	KNOB	1
17	13-0-195936	CONTROL ASSY. PAPER HT.	1	43	13-0-198849	HOUSING ASSY. BAIL BAR	1
		INCL. 18-29		44	13-4-195767	BUSHING, THREADED	1
18	13-6-195757	ARM, BAIL L.	1	45	13-2-198847	SCREW, SHOULDER	2
19	13-2-186289	SCALE ASSY., BAIL 21-22	1	46	13-2-195777	PLATE ASSY., CAM 47-49	1
21	13-4-187269	SUPPORT, BAIL SCALE	1	47	13-6-195765	SCREW, ADJUSTMENT	1
22	13-3-186288	SCALE	1	48	27591	PIN, ROLL	1
23	48-419-154C	SCREW, 8-32X ⁵ / ₁₆	3	49	13-7-195764	PLATE, CAM	1
24	48-438-405A	LOCKWASHER #8	3	51	48-438-208	WASHER, LOCK	3
25	EF-4307	WASHER, PLAIN #8	3	52	48-406-194C	SCREW, FIL, HD, 8-32X3/8	3
26	13-7-186631	BAR, BAIL	1				

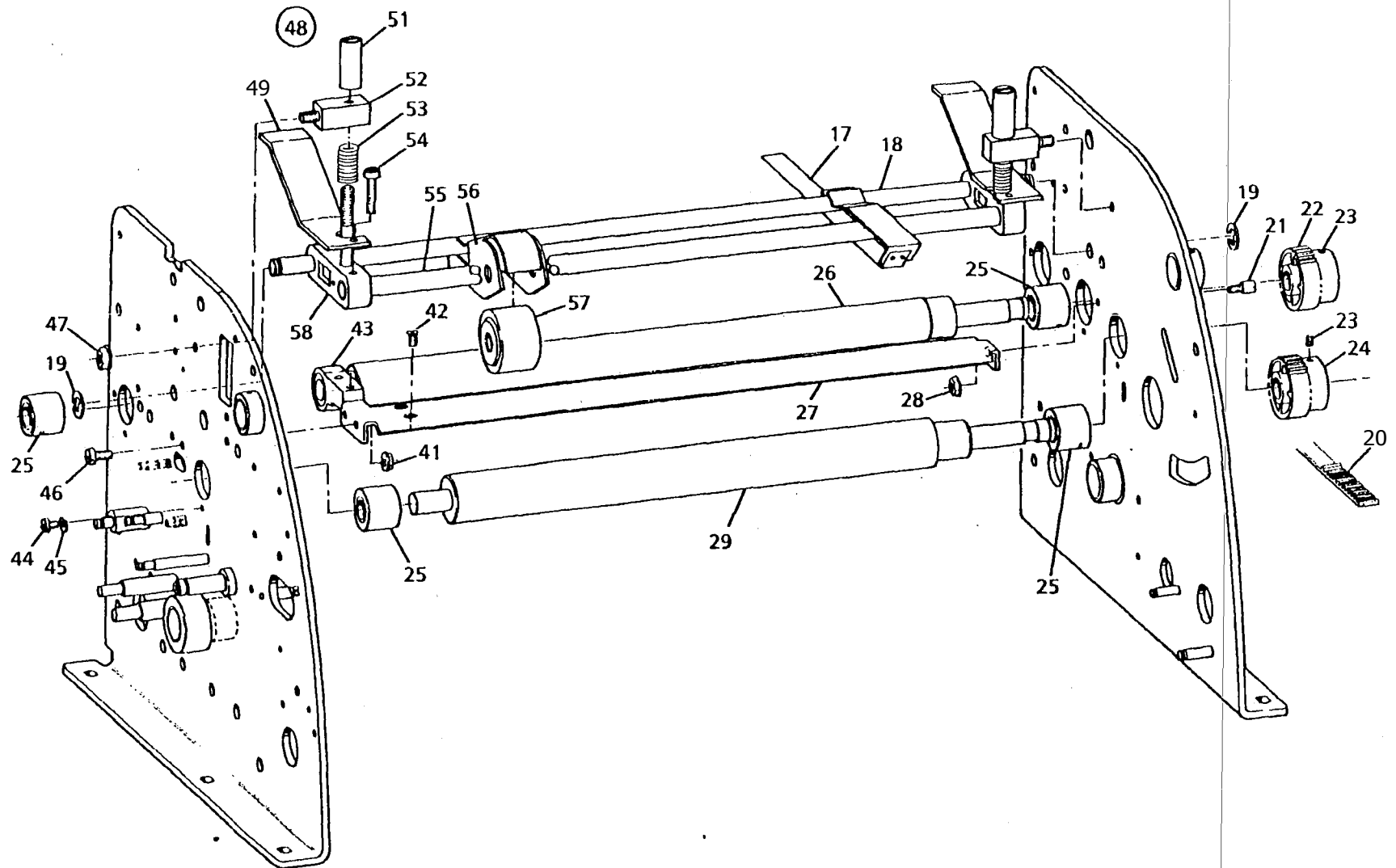
GROUP 6- Sheet Pickup & Suction Valve Assembly



GROUP 6- Sheet Pickup & Suction Valve Assembly

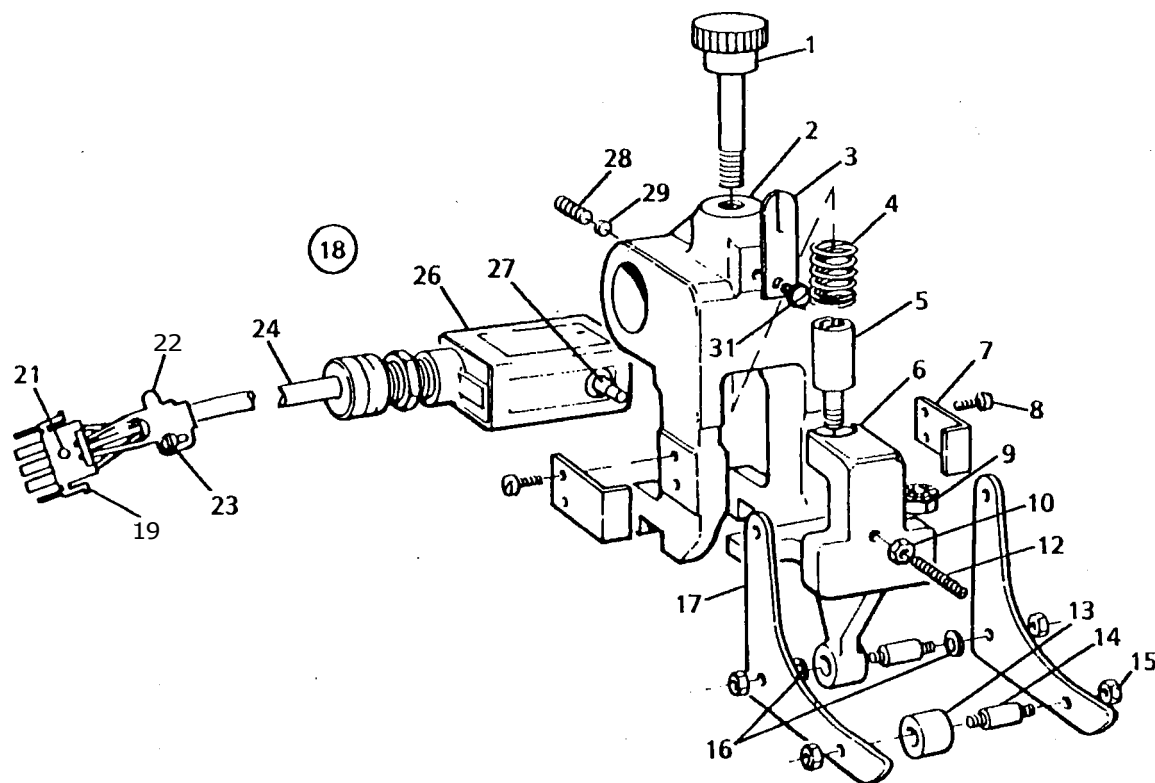
KEY	PART NUMBER	DESCRIPTION	QTY	NT	KEY	PART NUMBER	DESCRIPTION	QTY	NT
1	13-4-194562	STUD, ECC.	1		44	120-5572-1	PIN, VALVE OP.	1	
2	13-8-188719	SPACER	1		46	48-438-204R	LOCK WASHER 16	1	
3	130-5554	CAM, SUCTION FOOT	1		47	4-553	NUT, HEX 6-40	1	
4	F2-33242	WASHER	1		48	120-5570	WASHER	1	
5	48-433-4470	SCREW, 10-32X ⁷ / ₈	1		49	48-406-407C	SCREW, 10-32X3/4	1	
6	13-2-195942	SHAFT ASSY. SUCTION FT. INCL. 7-14, 16-18, 28-32, 57-74	1		51	120-5574	BUSHING	1	
7	29-1220	SCREW, 10-32X3/4	1		52	91-2152	NUT, KEPS 10-32	1	
8	29-14495	ROLLER, LIFTING BAR	1		53	120-556-1A	VALVE ASSY. AIR CONTROL INCL. 54-56	1	
9	0G-318	PIN	1		54	120-556-1	VALVE, AIR CONTROL	1	
11	185-5505-A	STRAP ASSY., SPRING	1		55	120-5560	BUSHING	2	
12	48-438-206R	WASHER, LOCK 110	1		56	120-5578	PIN	1	
13	XM-875	NUT, HEX 10-32	1		57	13-1-195943	O RING	1	
14	660-1604	WASHER	2		58	13-7-195772	FOOT, SUCTION	2	
15	13-0-206477	SPRING	1		59	48-433-2720	SCREW, SOC HD 6-32X1/2	2	
16	750-3709	ROLLER, DRIVE LEVER	1		61	48-438-204R	WASHER LOCK 16	2	
17	678-1437	RING, RETALRER	1		62	13-2-186644	SHAFT ASSY. SUCTION FOOT	1	
18	13-0-190390	VALVE ASSY. COMP. HOSE INCL. 19-25	1		63	13-0-186646	SHAFT ASSY. FOOT PIVOT	1	
19	13-0-194822	AIR PLUG	1			13-9-209746	SHAFT ASSY FOOT PIV. N/S	1	1
21	13-9-194740	WASHER, SPRING	1		64	13-3-189076	HOLDER, SUCTION FOOT	1	
22	12-6055-90	WASHER	2			130-5552	HOLDER, N/S	1	1
23	501-117	O RING	2		65	120-2709	COLLAR	2	
24	13-2-190380	VALVE ASSY. HOSE CONN.	1		66	13-7-195756	THUMB SCREW, SUCTION FT.	2	
25	65005	RING, RETAINING	1			750-5213	THUMBSCREW, N/S	2	1
26	13-5-187987	HOSE, VACUUM	2		67	120-9863	PIN, PLASTIC	4	
27	13-8-190889	HOSE, AIR	1		68	ARM-9521	SET SCREW	2	
28	17-493	WASHER, SHIM	AR		69	50-1535	RING, RETAINER	1	
29	120-5579	BUMPER	1		70	17-17	SCREW, 10-24X1/4	2	
31	48-406-567C	SCREW, 10-32X1-1/4	1		71	185-5501-AS	LEVER ASSY., CAM	1	
32	36-538	SCREW, 10-32X7/32	1			00-318	PIN	1	
33	48-406-277D	SCREW, FIL. 10-32X1/2	2		72	120-5562	BEARING, BALL	1	
	48-438-206A	WASHER, LOCK 110	2		73	69-389	WASHER, FLAT	1	
34	13-5-193043	SPRING	1		74	40-1836	NUT, HEX 1/4-28	1	
35	XM-2647	SPRING	1		75	13-3-194563	NUT BAR	1	
36	196-2015	BUMPER	1		76	50162	NUT	1	
37	36-538	SCREW, 10-32X ⁷ / ₃₂	1		* 77	13-1-207805	COVER, AIR VALVE	1	
38	185-5513-A	LATCH ASSY.	1			13-5-207942	STANDOFF .84X10-32	2	
39	19-55	SCREW, 10-32X1/4	1			13-4-208214	SCREW, SEMS 10-32X3/8	4	
41	185-5516	COLLAR	1		999	NOTE 1:	O/S 8 N/S PARTS NOT INTERCHANGEABLE		
42	170-1331	C WASHER	1						
43	120-557-1A	LEVER ASSY., VALVE CONTRL INCL. 44-52	1						

* Indicates Change

GROUP 7- Infeed Rolls

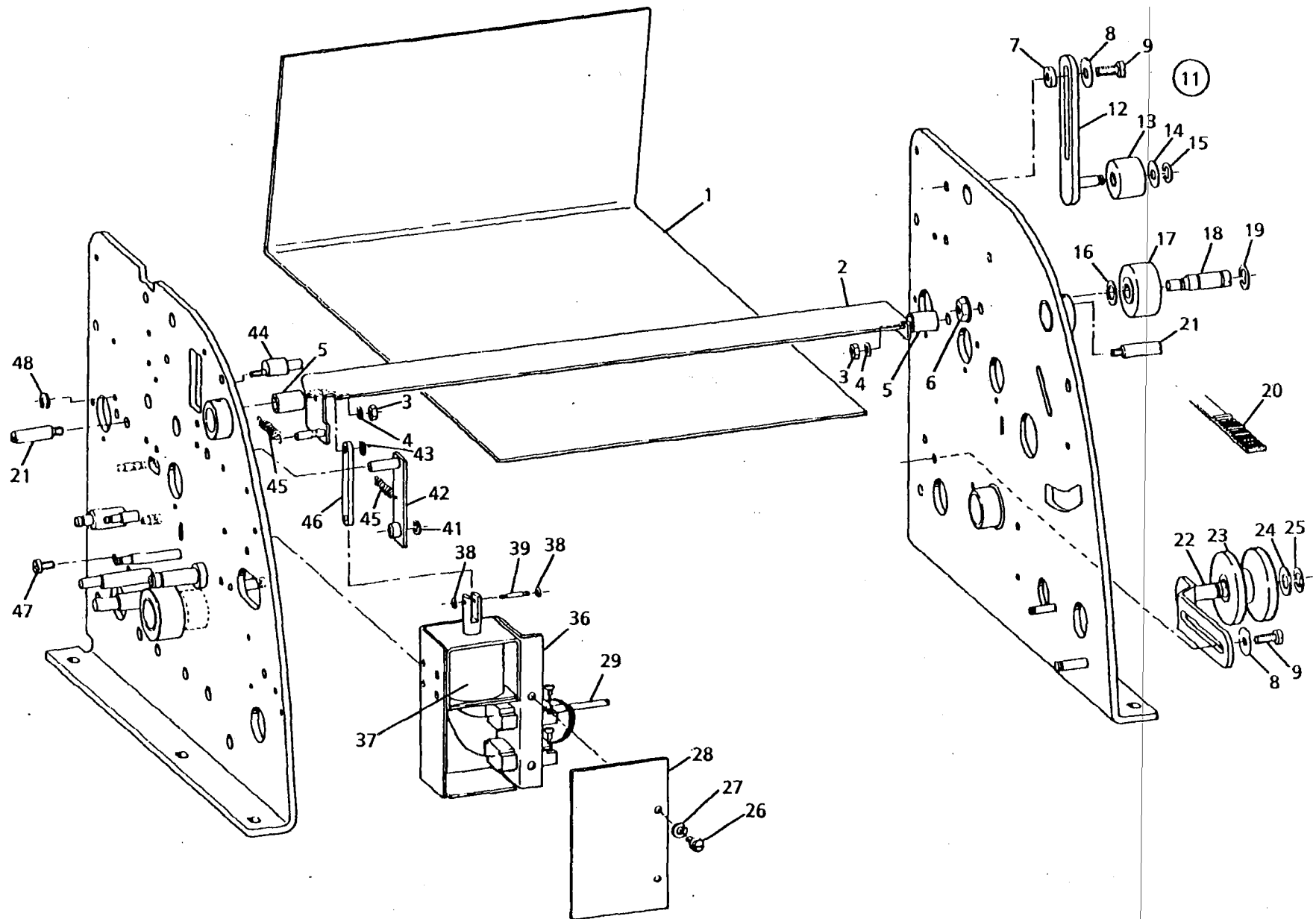
GROUP 7- Infeed Rolls

KEY	PART NUMBER	DESCRIPTION	QTY NT
17	13-8-188826	AUX. PAPER GUIDE ASSY.	2
18	13-3-186650	SHAFT. SENSOR MTG.	1
19	170-1802	WASHER, C	2
20	48-510-2015	TIMING BELT, SEE GP 47	1
21	XM-2670	SCREW	1
22	13-9-174593	PULLEY, TIMING	1
23	13-8-174594	SET SCREW	2
24	13-0-174592	PULLEY, TIMING	1
25	120-6053-A	BEARING ASSY., NEEDLE	4
26	13-3-190637	ROLL, INTERMEDIATE FEED	1
27	13-6-190634	SHELF	1
28	720-1053	KB'S NUT	1
29	13-6-186640	ROLLER, MAIN FEED	1
41	50162	NUT, KEPS	2
42	22-86	SCREW, 10-32X5/16	2
43	120-5230-A	BLOCK ASSY.	1
44	48-406-114C	SCREW, 8-32X1/4	4
45	200-9	WASHER	4
46	48-406-237C	SCREW. 10-32X7/16	2
47	190-102	NUT, 1/4-28	2
48	13-7-186649	SHAFT ASSY. FEED ROLLERS INCL. 49-58	1
49	13-9-143002	RELEASE LEVER L.H.	1
	13-8-142369	RELEASE LEVER R.H.	1
51	120-5214	NUT	2
52	120-5215	SCREW	2
53	F2-3652	SPRING	2
54	48-406-447D	SCREW FIL HD 10-32X7/8	2
55	13-1-186652	SHAFT, FEED ROLLERS	1
56	13-4-192210	HOLDER, FEED ROLLER	2
57	192-6042-A1	ROLLER ASSY. UPPER FEED	2
	120-3817	SPRING, RING	2
	120-6047	BUSHING	2
	120-521	SPACER	4
58	120-5212-A	ARM ASSY.	2

GROUP 7A - Doubles Detector

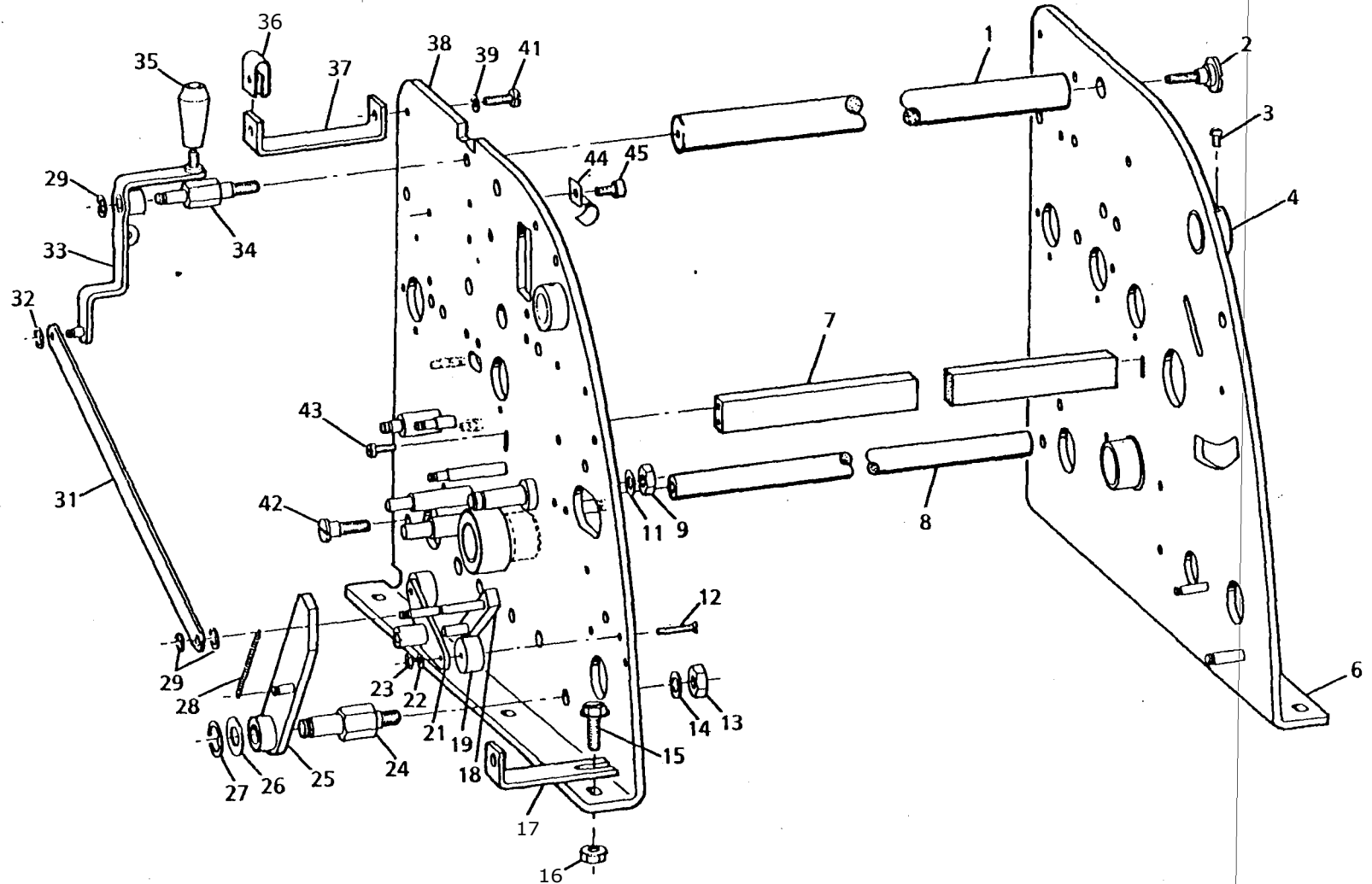
GROUP 7A - Doubles Detector

KEY	PART NUMBER	DESCRIPTION	QTY NT
	13-8-182068	DETECTOR ASSY. DBL SHEET	1
1	13-9-165526	SCREW, ADJ.	1
2	120-540-1	BRACKET	1
3	13-7-165502	CLIP	1
4	XM-2482	SPRING	1
5	120-5400	STUD	1
6	120-541	BRACKET. SWITCH	1
7	120-5411	GUIDE, SWITCH BKT.	2
a	48-406-154C	SCREW	4
9	190-102	NUT	1
10	OG-635	NUT	1
12	F2-20651	SCREW	1
13	120-5410	BEARING	1
14	120-5407	STUD	3
15	XM-875	NUT	6
16	F2-6004	WASHER	2
17	120-5406-1	FEELER FINGER	2
18	13-4-182377	SW ASSY SINGLE SHT 19-27	1
19	15-8-050518	HSG., 3 PIN	1
21	13-8-185111	LABEL, RED	1
22	13-8-196746	STRAIN RELIEF	2
23	48-442-1928	SCREW, PAN TN R 6-32X3/8	2
24	13-4-187459	CABLE ASSY.	2
26	13-9-182364	SWITCH ASSY	1
27	E121-79	SWITCH	1
28	50609	SET SCREW	1
29	99-57	PIN	1
31	120-542	SCREW 8-32X3/16	1

GROUP 8- Double Sheet Ejection Assembly

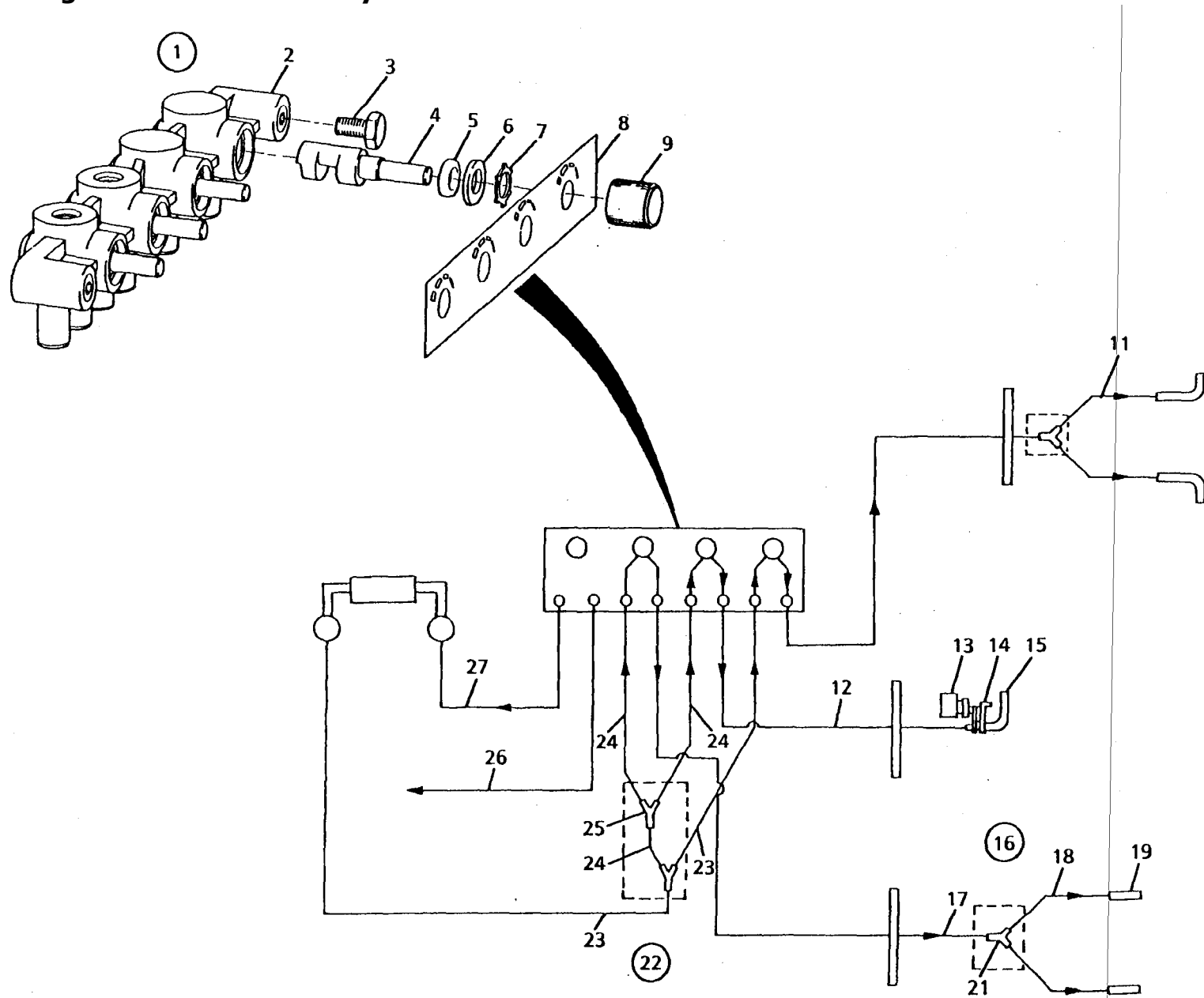
GROUP 8 - Double Sheet Ejection Assembly

KEY	PART NUMBER	DESCRIPTION	QTY NT
1	13-1-196529	PAN, EXTRA SHEET	1
2	13-5-186641	GATE ASSY. SINGLE SHEET	1
3	XM-875	NUT	2
4	60-158	WASHER, LOCK	2
5	95-52	COLLAR	2
6	6400-610	NUT, KEPS 1/4-20	1
7	303138	WASHER	2
8	F2-2064	WASHER	2
9	KG-2003	SCREW	2
11	13-1-142309	BELT TIGHTENER ASSY 12-15	1
12	13-4-142306	ARM ASSY.	1
13	13-7-184362	ROLLER, BELT ASSY.	1
14	2750-3669	WASHER	1
15	1937-3734	WASHER, C	1
16	108-473	WASHER	1
17	13-1-181675	ROLLER, BELT	1
18	13-2-181074	STUD, ECC. ROLLER	1
19	61390	RING, RETAINING	1
20	48-510-2015	TIMING BELT, SEE GP 47	
21	120-5422	SCREW	2
22	120-5335-A	BKT. ASSY. CONVEYOR BELT	1
23	13-0-195597	PULLEY ASSY.	1
24	OG-401	WASHER	1
25	170-1802	WASHER, C	1
26	48-425-114D	SCREW, TRUSS HD	2
27	48-438-405C	WASHER, TNT TH.	2
28	13-5-181782	COVER, SOLENOID BRACKET	1
29	13-4-196161	CABLE ASSY. DOUBLES SQL.	1
36	13-4-181783	BRACKET ASSY., SOLENOID	1
37	13-6-184157	SOLENOID, DBLE. SHEET	1
38	9500-2154	O RING	2
39	71-9056	PIN	1
41	170-1331	RING, RETAINING	1
42	120-5425-A	LATCH ASSY.	1
43	1720-1031	WASHER, C	1
44	13-6-187168	SCREW	1
45	120-5427	SPRING	2
46	120-5430	LINK	1
47	48-406-157C	SCREW, 10-32X5/16	2
48	720-1053	NUT	1

GROUP 9- Single Sheet Feed

GROUP 9 - Single Sheet Feed

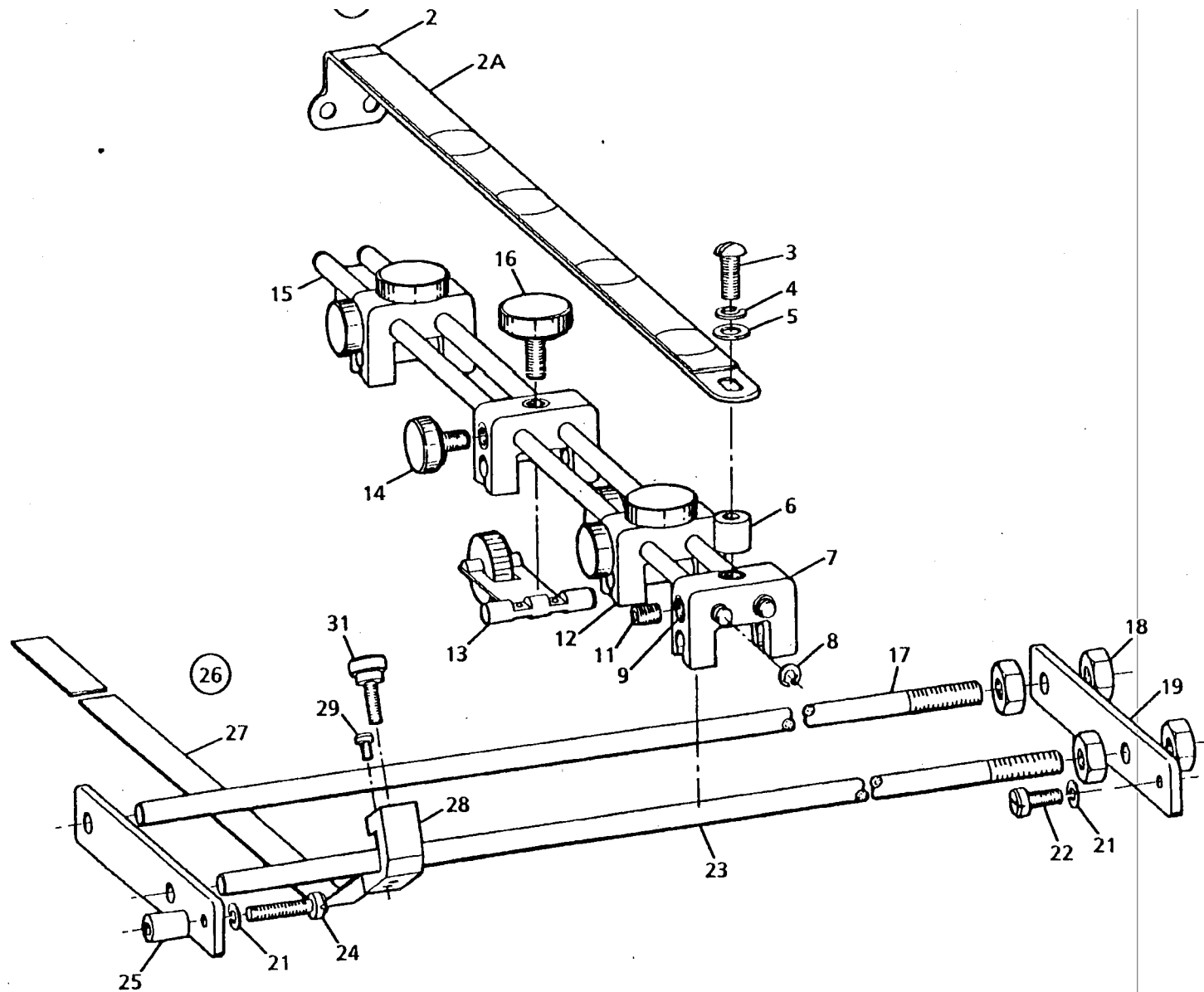
KEY	PART NUMBER	DESCRIPTION	QTY NT
1	13-1-186660	TIE ROD, UPPER	1
2	13-0-184476	SCREW, SHOULDER	1
3	ARM-859	SCREW, 10-32X7/32	2
4	185-5509	BUSHING	2
6	185-5001-A	PLATE ASSY. FEEDER RIGHT	1
7	13-8-186291	BAR, TIE	1
8	13-0-186638	TIE ROD, SIDE PLATE	1
9	48-436-0490	NUT	1
11	48-438-2098	WASHER	1
12	48-409-402C	SCREW, FL HD 6-32X ³ / ₄	2
13	69-527	NUT	1
14	HG2-1120	WASHER, LOCK	1
15	48-441-410B	SCREW, 1/4-20X3/4	6
16	660-139	NUT & LOCKWASNER	6
17	13-1-193914	BKT. COVER MTG. FEEDER	4
18	185-2505-A	ARM ASSY. LATCH SPRING	1
19	185-2508	COLLAR	2
21	185-2507-A	STRAP ASSY.	1
22	190-9120	WASHER, LOCK	2
23	OG-635	NUT	2
24	120-8607	STUD	1
25	185-2509-A	LATCH ASSY, SUCTION FOOT	1
26	XM-68	WASHER	1
27	170-1802	WASHER, C	1
28	3AS-26232	SPRING	1
29	170-1331	WASHER, C	3
31	13-5-179232	LINK, PAPER FEED CONTROL	1
32	1720-1031	WASHER, C	1
33	13-5-179497	LEVER ASSY. FEED CONTROL	1
34	13-4-179233	STUD, LEVER MTG.	1
35	13-1-189664	HANDLE, BLACK	1
36	13-0-184963	RECEPTACLE	6
37	13-2-190018	SUPPORT, COVER	4
38	13-8-196191	PLATE ASSY. FEEDER LEFT	1
39	48-438-206A	WASHER, LOCK	4
41	48-406-317D	SCREW FIL HD 10-32X9/16	4
42	69-188	SCREW, 1/4-24X19/32	2
43	48-406-234C	SCREW, 8-32X ⁷ / ₁₆	4
44	2704	CLAMP	1
	69-716	WASHER	1
45	48-406-154C	SCREW, FIL 8-32X5/16	1

GROUP 10- Regulator Valve Assembly & Hoses

GROUP 10 - Regulator Valve Assembly & Hoses

KEY	PART NUMBER	DESCRIPTION	QTY NT
1	13-4-196138	VALVE ASSY. REGULATOR INCL. 2, 4-7	1
2	13-5-194066	HOUSING, VALVE	1
3	48-441-410B	SCREW THD ROLLING 1/4-20	2
4	13-5-196137	VALVE, SPOOL	4
5	13-8-193941	O-RING, RUBBER	4
6	13-4-193952	WASHER, VALVE	4
7	13-0-193949	RETAINER, PUSH-ON	4
8	13-8-196126	LABEL, AIR & VACUUM	1
9	13-3-187245	KNOB	4
11	13-1-195117	BLOWER ASSY., FRONT SIDE REFER TO GP. 2	1
12	120-2046	HOSE 9/16 X 3/8 X 22	1
13	ARM-980	NUT, KNURLED	1
	48-438-205C	WASHER, LOCK	1
	EF-5204	WASHER, FLAT	1
14	13-0-143084	BLOWER BLOCK ASSY.	1
15	130-4048-A	BLOWER ASSY., CENTER	1
16	13-9-196141	HOSE ASSY., FEEDER BLOWER	1
17	120-2045	HOSE, 9/16 X 3/8 X 16	1
18	13-0-172364	HOSE. .35X.50X12.0	2
19	13-4-190362	TUBE ASSY., BLOWER	2
21	120-2047	Y CONNECTOR	1
22	13-8-196142	HOSE ASSY., AIR	1
23	13-5-194561	HOSE. BLOWER 8"	2
24	13-6-144383	HOSE, AIR SUPPLY TO "T"	3
25	13-3-172338	Y CONNECTOR	2
26	250-2025	HOSE, SUCTION FOOT 42"	2
M 27	750-555	HOSE, .37 X .69 X 21.0	1
999	13-1-196198	SILENCER, VALVE	1

*
Indicates Change

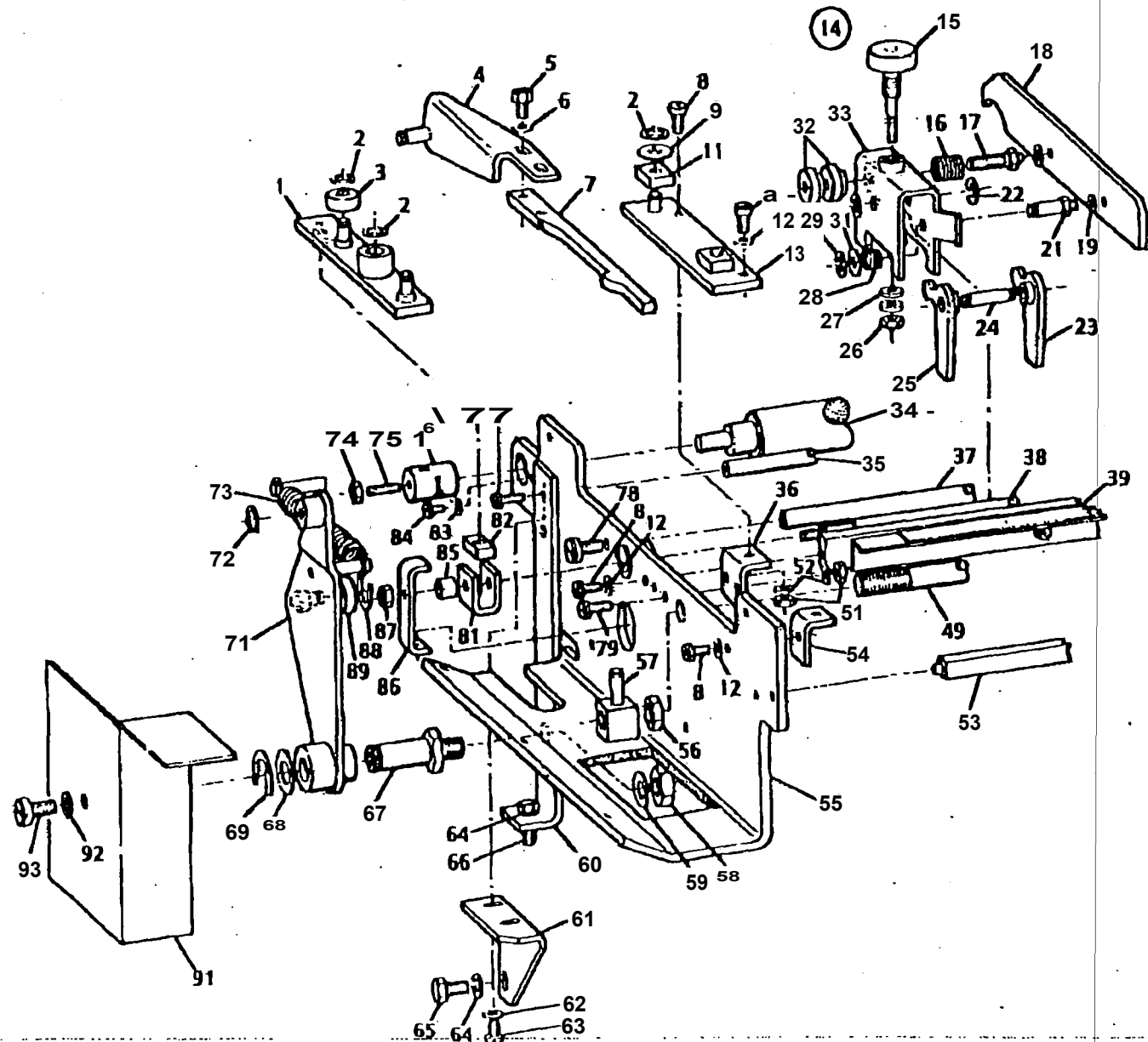
GROUP 11 - Register Bar Assembly

GROUP 11 - Register Bar Assembly

KEY	PART NUMBER	DESCRIPTION	QTY NT
1	13-7-193470	REGISTER BAR ASSY. 1-16	1
2	13-6-193471	REGISTER BAR. S/A	1
2A	13-0-193469	SCALE	1
3	48-425-4100	SCREW, TR HD 1/4-20X3/4	1
4	48-438-208R	WASHER	1
5	48-437-0320	WASHER	1
6	13-1-191413	SPACER	1
7	13-5-191419	BLOCK ADJ.	2
8	305444	RING, RETAINING	4
9	13-9-194971	PIN, 3/32	4
11	50608	SCREW, SET 1/4-20	1
12	13-7-191417	BLOCK, ADJ.	1
13	13-5-193472	ROLLER & BLOCK, LG.	2
	13-1-192437	ROLLER/SKID ASSY., SHORT	1
14	13-4-191410	SCREW, THUMB	3
	13-9-194971	PIN, BRASS	3
15	13-8-192208	ROD, SUPPORT	2
16	13-0-192438	SCREW, THUMB	3
	13-3-192435	SLUG, FILLER .343 LG.	3
17	13-4-195932	ROD, SUPPORT	1
18	48-435-0470	NUT, HEX	4
19	13-2-193467	ARM, SKID ROLLER SUPPORT	2
21	48-438-505A	WASHER, LOCK	1
22	48-419-197D	SCREW, PAN 10-32X3/8	1
23	13-4-186634	ROD	1
24	48-422-447C	SCREW, 10-32X7/8	1
25	65213	SPACER. STOP	1
26	13-1-188013	PAPER RETAINER ASSY.	4
		INCL. 27-31	
27	13-1-187841	SPRING, PAPER RETAINER	1
28	13-2-187840	CLAMP, PAPER GUIDE	1
29	190-9182	SCREW, 6-32X1/4	2
31	2750-3733	SCREW, THUMB 8-32	1

* Indicates Change

GROUP 12- Conveyor Assembly, Left

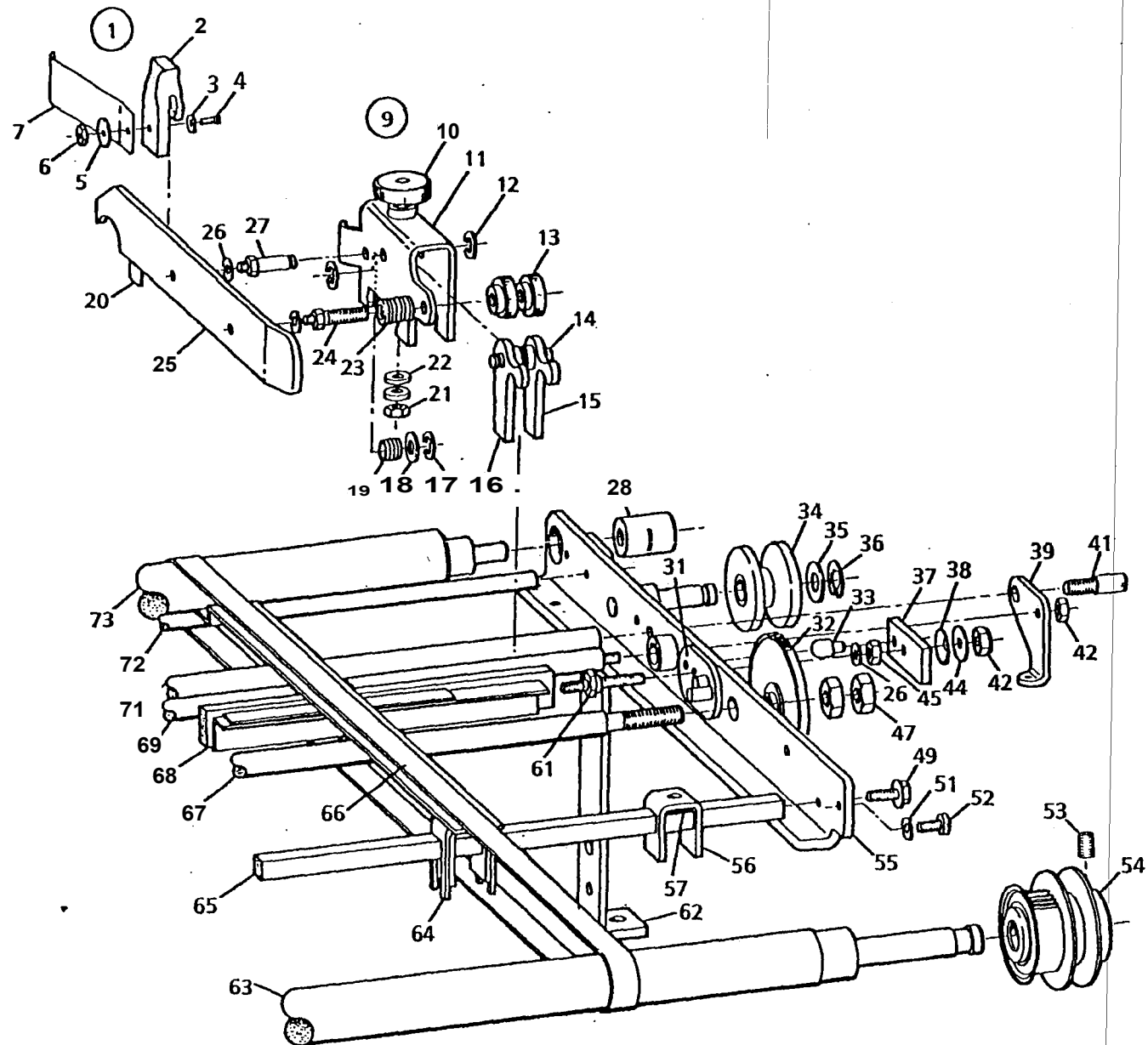


GROUP 12- Conveyor Assembly, Left

KEY	PART NUMBER	DESCRIPTION	QTY	NT	KEY	PART NUMBER	DESCRIPTION	QTY	NT
1	185-6030-A	LEVER ASSY., JOGGER			52	48-436-206R	WASHER, *10 SPLIT LOCK	1	
2	1917-1734	WASHER, C			53	13-2-186578	ROD, CONVEYOR TAPE GUIDE	1	
3	120-5562	BALL BEARING	3		54	13-0-195860	BRACKET, GUIDE SUPPORT	1	
4	216-2665-A	LINK ASSY. CAN JOGGER DR	1		55	13-0-195845	SIDE ASSY. CONVEYOR L.	1	
5	48-411-157C	SCREW, 10-32X5/16	2		56	902-9058	NUT, HEX 7/16-20	1	
6	FZ-33242	WASHER	2		57	216-2651	PIVOT, JOGGER LEVER	1	
7	185-6007	CAM, JOGGER			58	48-456-054C	NUT, HEX 3/8-24	1	
a	48-406-197C	SCREW, FIL. 10-32X3/8	2		59	0G-1305	WASHER, LOCK - 3/1 LIGHT		
9	F2-.2064	WASHER, 17/64 I.D. -	1		60	13-1-188757	SUPPORT, CONVEYOR	2	
11	120-6037	GUIDE, CAM	2		61	185-6014	BRACKET, CONVEYOR L.		
12	48-438-206A	LOCKWASNER	2			185-6013	BRACKET, CONVEYOR R.		
13	185-6055-A	PLATE ASSY. CAN GUIDE	1		62	48-438-206R	WASHER, 110 SPLIT LOCK		
14	13-6-195831	GUIDE ASSY. PAPER COMP L.			63	48-411-157C	SCREW 10-32X5/16 SIT HEX	4	
		INCL. 15-33			64	48-438-208R	WASHER, LOCK 1/4	1	
15	216-2623-A	SCREW ASSY., THUMB	1		65	86-435	SCREW, 1/4-28X1/2	1	
16	A7A-83150	SPRING	1		66	48-441-4108	SCREW, 1/4-20X3/4		
17	185-6012	STUD	1		67	13-8-187992	STUD, PIVOT LEVER	1	
1a	13-0-195829	GUIDE, PAPER LEFT	1		61	17-494	WASHER, .505 XD	1	
	13-0-196793	aLOCK	1		69	170-1520	WASHER, C	1	
	48-409-112C	SCREW, FL 6-32X1/4			71	1279-5711-A	LEVER ASSY., JOGGER DRIVE	1	
19	48-418-406A	LOCKWASHER 110 INT. TH.			72	170-1331	WASHER, C	1	
21	185-6015	STUD			73	11-20414	SPRING, EXTENSION	2	
22	1937-3754	WASHER, C			74	XM-875	NUT, HEX 10-32	1	
23	216-2621-A	ARM ASSY. JOGGER R.			75	36-553	SCREW, 10-52X5/8		
24	216-2622	PIN, LEVER MTG.			76	120-6041-A	BEARING ASSY. CONV. ROLL L	1	
25	216-2620-A	ARM ASSY., JOGGER L			77	48-406-274C	SCREW, .8-52X1/2 FIL.	2	
26	91-2152	NUT, HEX			78	40.-406-280C	SCREW, 1/4-20XI/2 FR.	1	
27	F2-13242	WASHER .191 10			79	48-406277C	SCREW, 10-32X1/2 FIL.	2	
ga	HA-3515	SPRING	1		81	216-2641	BRACKET, JOGGER DRIVE	1	
29	170-1331	WASHER, C			82	120-6034	BLOCK, JOGGER LEVER SLIDE		
31	4-818	WASHER, 17/64 ID			83	200-.1	WASHER, .169 ID	2	
32	108-196	NUT, 1/432			84	48-406.-114C	SCREW, 8-32X1/4 FIL.		
53	216-2614-A	PLATE, JOGGER	1		85	ULG-5037	COLLAR	1	
54	15-1-1116629	ROLL, CONVEYOR TAPE, REAR			86	216-2642	CLIP, SPRING a LEVER RTNR	1	
55	15-3-186577	ROD, SUPPORT	1		87	91-2152	NUT, HEX 10-52	1	
56	216-2663	BRACKET, PLATE SUPPORT	1		08	1937-3714	C WASHER	1	
37	13-8-195813	ROD, JOGGER SUPPORT	1		89	120-5562	BALL BEARING	3	
38	13-6-195815	ROD, JOGGER OPERATING			91	13-9-195830	COVER, CONV. MTG. BRACKET	1	
59	13-7-196903	SCALE A BAR ASSY.			92	48-438-505A	STAR MASHER 110		
49	13-7-195014	ROD, JOGGER ADJUSTMENT			93	48-4037197D	SCREW, 10-52X3/8	1	
51	40-435-036C	Nut, HEX, 10-32							

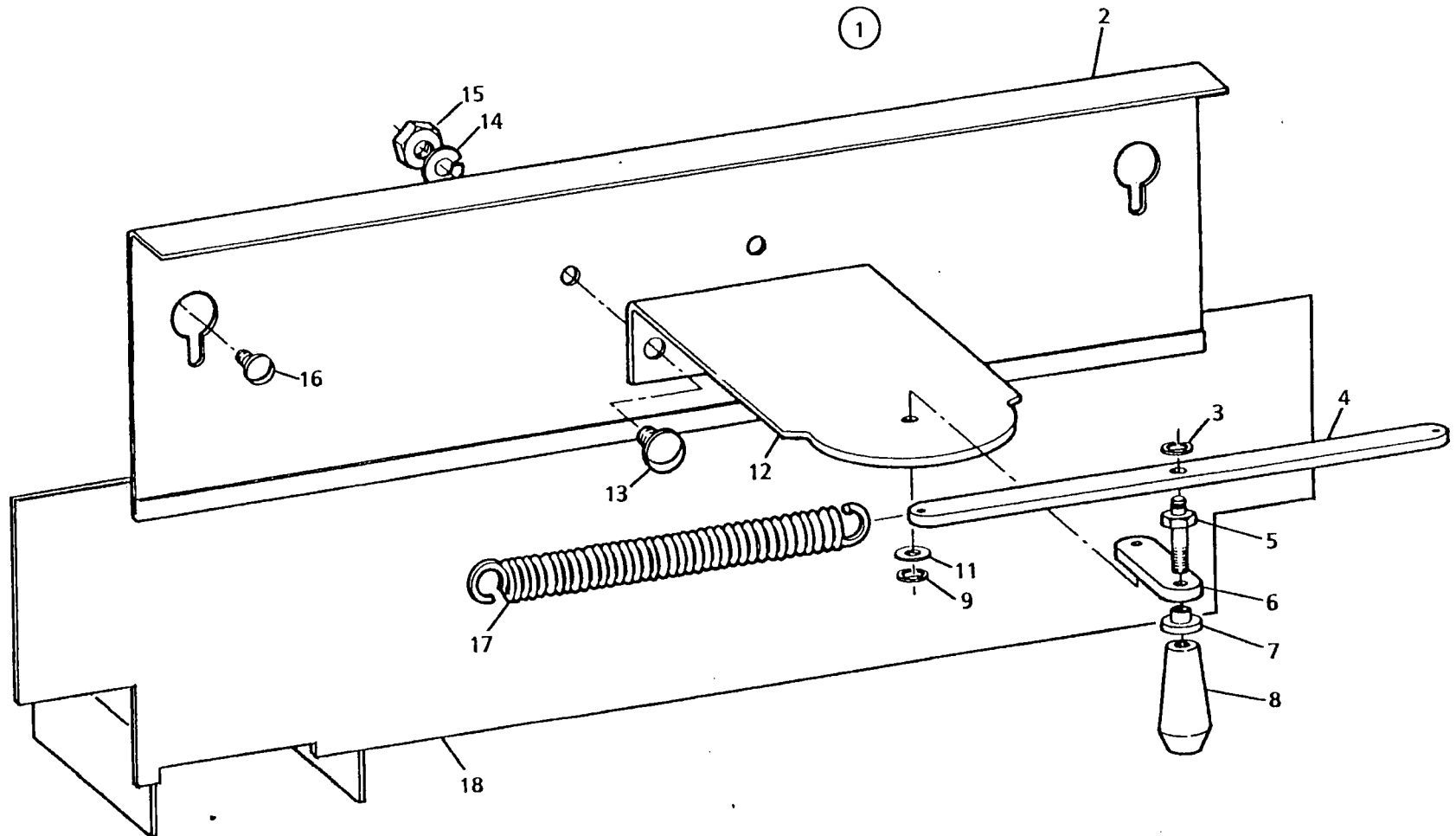
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Indicates Change

GROUP 13- Conveyor Assembly, Right

1450/1650

GROUP 14- Conveyor Jogger Select Assembly



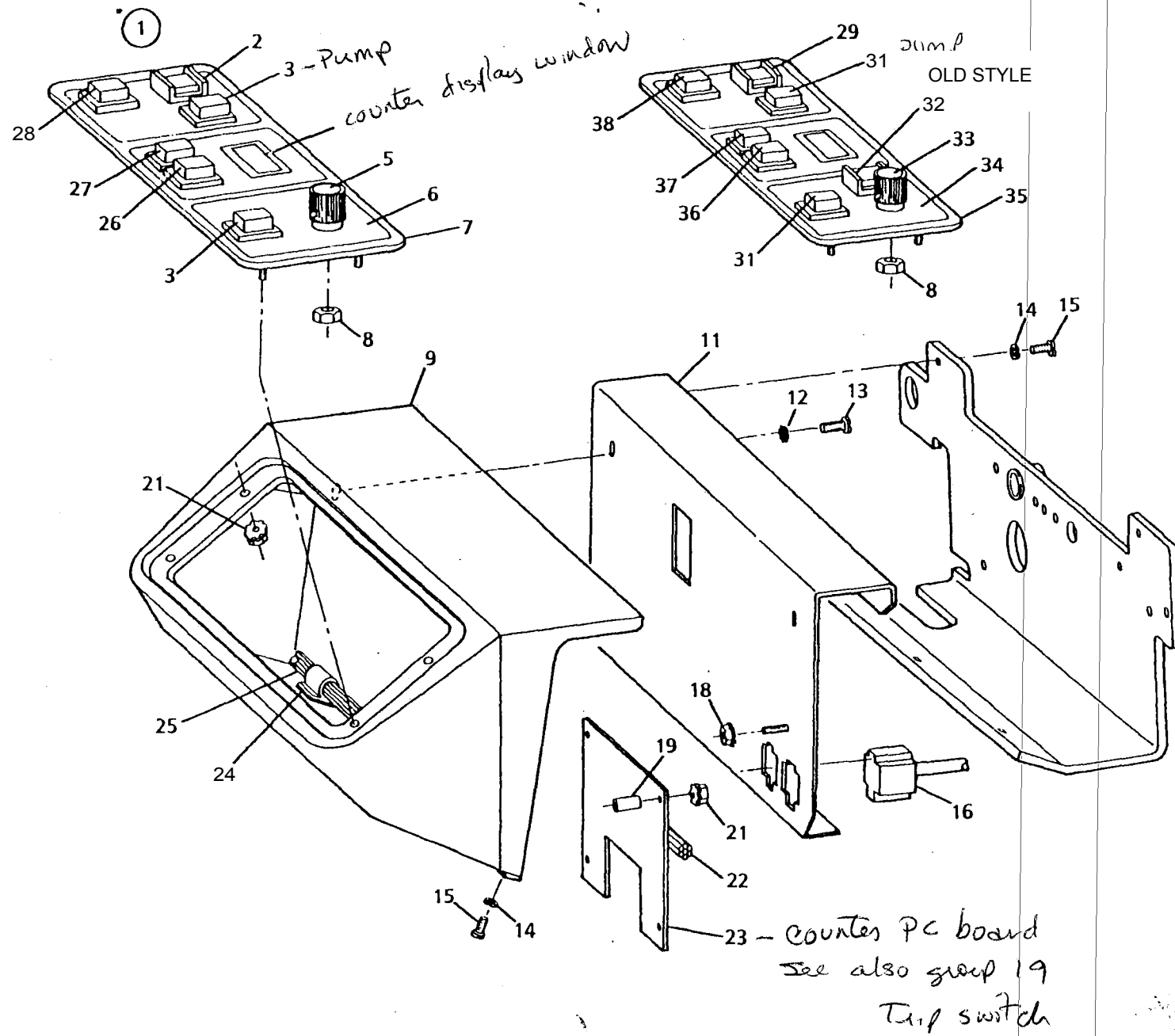
GROUP 13 - Conveyor Assembly, Right

KEY	PART NUMBER	DESCRIPTION	QTY NT	KEY	PART NUMBER	DESCRIPTION	QTY NT
1	185-607-A	GUIDE ASSY. PAPER REG.	2	33	120-6028-1	PIN	1
		INCL. 2-7		34	13-0-195597	PULLEY ASSY.	1
2	185-608	HANDLE, SPRING MTG.	1	35	OG-401	WASHER	1
3	OG-905	WASHER	1	36	170-1802	WASHER, C	1
4	71-4024	SCREW	1	37	120-6027	CLAMP, ADJUSTMENT DISC	1
5	15-2007	WASHER	1	38	XM-2689	WASHER, 5/8 OD	1
6	185-609	NUT, 4-40	1	39	216-2643	CLIP, SPRING RETAINING R.	1
7	185-607	SPRING. REGISTER GUIDE	1	41	216-2634	SCREW, 1/4-20X1/2	1
9	13-7-195830	GUIDE ASSY. PAPER COMP. R	1	42	91-2152	NUT, HEX 10-32	1
		INCL. 10-27		44	ULG-5053	WASHER, .196 ID	1
10	216-2623-A	SCREW ASSY. ARM ADJUST.	1	45	XM-875	NUT, HEX 10-32	1
11	216-2614-A	PLATE ASSY. JOGGER	1	47	4-337	NUT, HEX 5/16-24	2
12	1937-3734	C WASHER	2	49	48-402-277C	SCREW, SEMS 10-32X1/2	1
13	108-196	NUT, 1/4-32	2	51	48-438-505A	WASHER, LOCK	2
14	216-2622	PIN, LEVER MTG.	1	52	48-419-197D	SCREW, PAN HD 10-32X3/8	2
15	216-2620-A	ARM ASSY. JOGGER L.	1	53	50609	SET SCREW	1
16	216-2621-A	ARM ASSY. JOGGER R.	1	54	13-6-196193	PULLEY ASSY. COMPOUND	1
17	170-1331	C WASHER	1	55	13-8-188768	SIDE ASSY., CONVEYOR R.	1
18	4-818	WASHER, 17/64 ID	1	56	121-5027	GUIDE, TAPE	7
19	HA-3515	SPRING	1	57	121-5028	SPRING, TAPE GUIDE	7
20	13-0-196793	BLOCK	1	61	13-0-195852	STUD, MICRO ADJUST. LOCK	1
	48-409-112C	SCREW FL 6-32X1/4	1	62	13-1-188757	SUPPORT, CONVEYOR	2
21	91-2152	HEX NUT	1	63	13-0-186299	ROLL, CONV. TAPE FRONT	1
22	F2-33242	WASHER	2	64	13-9-195812	SUPPORT ASSY., PAPER	7
23	A7A-83150	SPRING	1	65	13-2-186578	ROD, CONVEYOR TAPE GUIDE	1
24	185-6012	STUD	1	66	120-6050	BELT, CONVEYOR	7
25	13-4-195817	GUIDE, PAPER R	1	67	13-7-195814	ROD, JOGGER ADJ.	1
26	48-438-406A	WASHER LOCK 110 INT.	2	68	13-7-196903	SCALE & BAR ASSY.	1
27	185-6b13	STUD	1	69	13-6-195815	ROD, JOGGER OPERATING	1
28	120-6045-A	BRG. ASSY. CONV ROLL RT	1	71	13-8-195813	ROD, JOGGER SUPPORT	1
31	120-6026-A	LEVER ASSY ADJ DISC LOCK	1	72	13-3-186577	ROD, SUPPORT	1
32	120-6004	DISC, ADJUSTMENT	1	73	13-1-186629	ROLL, CONVEYOR TAPE, REAR	1

GROUP 14- Conveyor Jogger Select Assembly

KEY	PART NUMBER	DESCRIPTION	QTY NT
I	13-7-195855	BKT. ASSY RIGHT/LEFT JOG.	1
		INCL. 2-15	
2	13-0-186463	GUARD, FRONT BRACE	1
3	700-8006	WASHER, C	1
4	216-2645	LINK	1
5	185-6021	STUD	1
6	185-6020-A	LEVER ASSY	1
7	185-6022	BUSHING	1
8	13-1-189664	HANDLE	1
9	1720-1031	WASHER, C	1
11	99-521	WASHER	1
12	185-6019	BRACKET	1
13	48-425-280C	SCREW, MACHINE 1/4-20	2
14	48-438-208C	LOCK WASHER	2
15	48-435-043C	NUT, HEX	2
16	48-425-2770	SCREW, 10-32x1/2	2
17	11-20414	SPRING	2
* 18	13-2-193400	PLATE, CD	1
*	13-4-196690	PLATE, TRAY	1
Indicates Change ,			

GROUP 15- Control Panel



5011650

ROUP 15- Control Panel

KEY	PART NUMBER	DESCRIPTION	QTY	NT
1	13-4-208446	HSO ASY CNTL PANEL COMP.	1	
2	13-6-196462	SWITCH, START	1	
	13-8-196456	GUARD, SWITCH		
3	13-5-196439	SWITCH, -14400Pio ² v..v.	2	
5	13-2-196015	KNOB	1	
	13-0-197585' 0.5	SPEED POT 10K W/WIRES	1	3
6	13-7-196812	OVERLAY, CONTROL PANEL	1	
7	13-6-195799	BASE PLATE	1	
8	50161	HUT	1	
9	13-5-208445	HOUSING		
11	13-0-195837	COVER	1	
12	48-438-504C	WASHER, SPLIT LOCK 18	2	
13	12-7004-85	SCREW SELF TAP 8X7/16	2	
14	48-438-504C	WASHER, SPLIT LOCK 48	5	
15	48-423-194C	SCROW, 8-32X3/8	5	
16	13-3-196022	CABLE, 9 POS.	1	
18	301133	NUT, KEPS 8-32	2	
19	13-9-186746	SPACER, 1/4 OD X1/2	4	
21	50109	NUT, KEP5 6-32	8	
22	13-7-196036	HARNESS, DO CONTROL	1	
23	13-5-195808	PC BOARD, COUNTER	1	
24	48-063-1007	CCAMP, CABLE	1	
25	13-6-196037	HARNESS, AC CONTROL		
26	13-2-196460	SWITCH, RESET	1	
27	13-1-196461	SWITCH, HOLD		
	13-3-196030	RESISTOR ASSY.	1	
28	13-6-196458	SWITCH, STOP	1	
* 29	13-5-196467	SWITCH KIT, START	1	1
* 31	-13-8-196464	SWITCH KIT, IAMP* ⁴ "%in,	1	1
* 32	13-0-196470	SWITCH KIT, CALIBRATE		
* 33	13-2-196015	KNOB	1	
* 34	13-3-196014 OS	SPEED POT (IOU W/O WIRE->	1	
	13-6-195649	OVERLAY, CONTROL PANEL	1	
w 35	13-6-195799	BASE PLATE	1	
* 36	13-7-196465	SWITCH KIT, RESET	1	
* 37	13-6-196466	SWITCH KIT, HOLD	1	
N	13-3-196030	RESISTOR ASSY.	1	
* 38	13-9-196463	SWITCH KIT, STOP	1	1
*999	NOTE 1:	INDICATES OLD STYLE		

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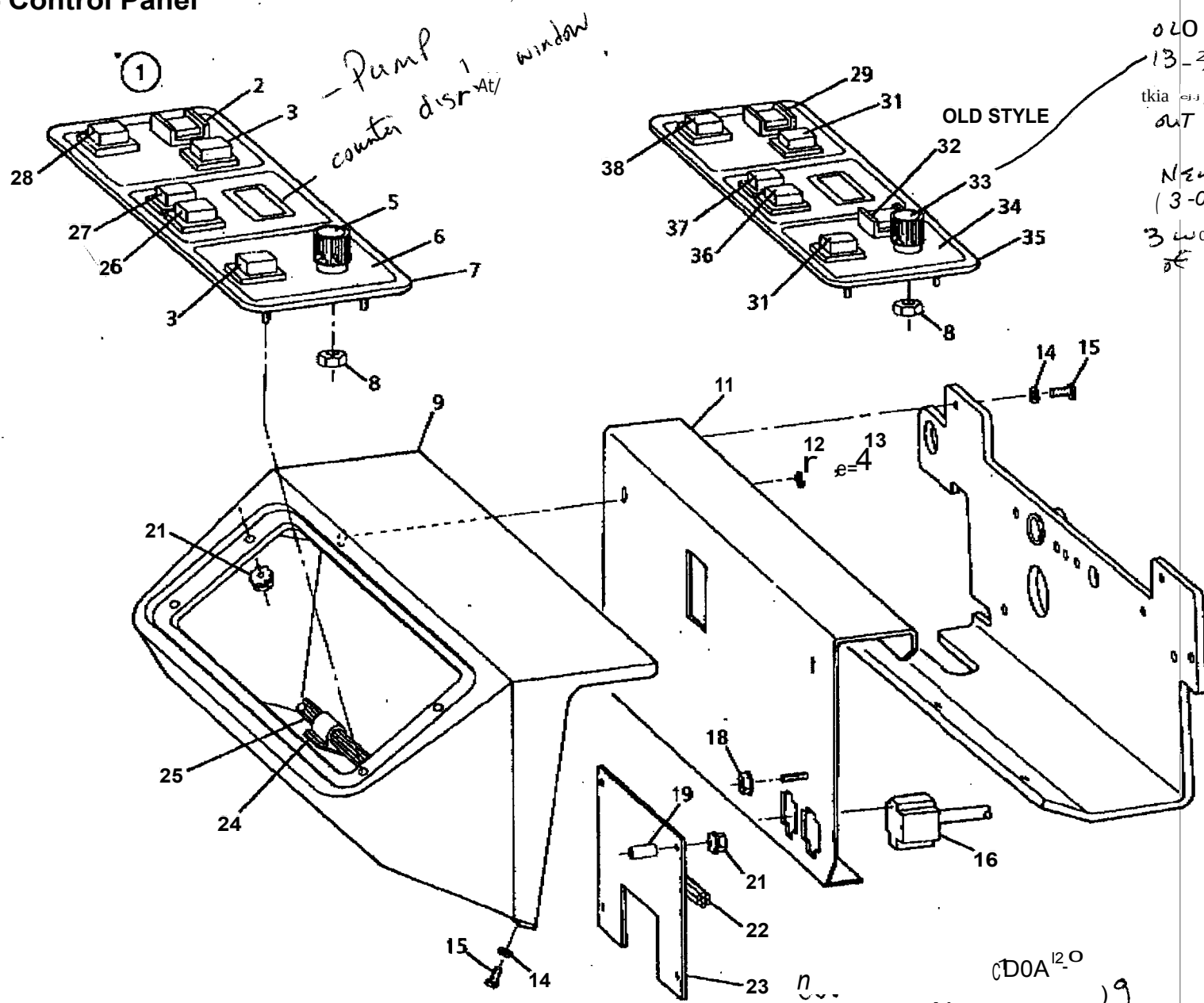
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GROUP 15- Control Panel



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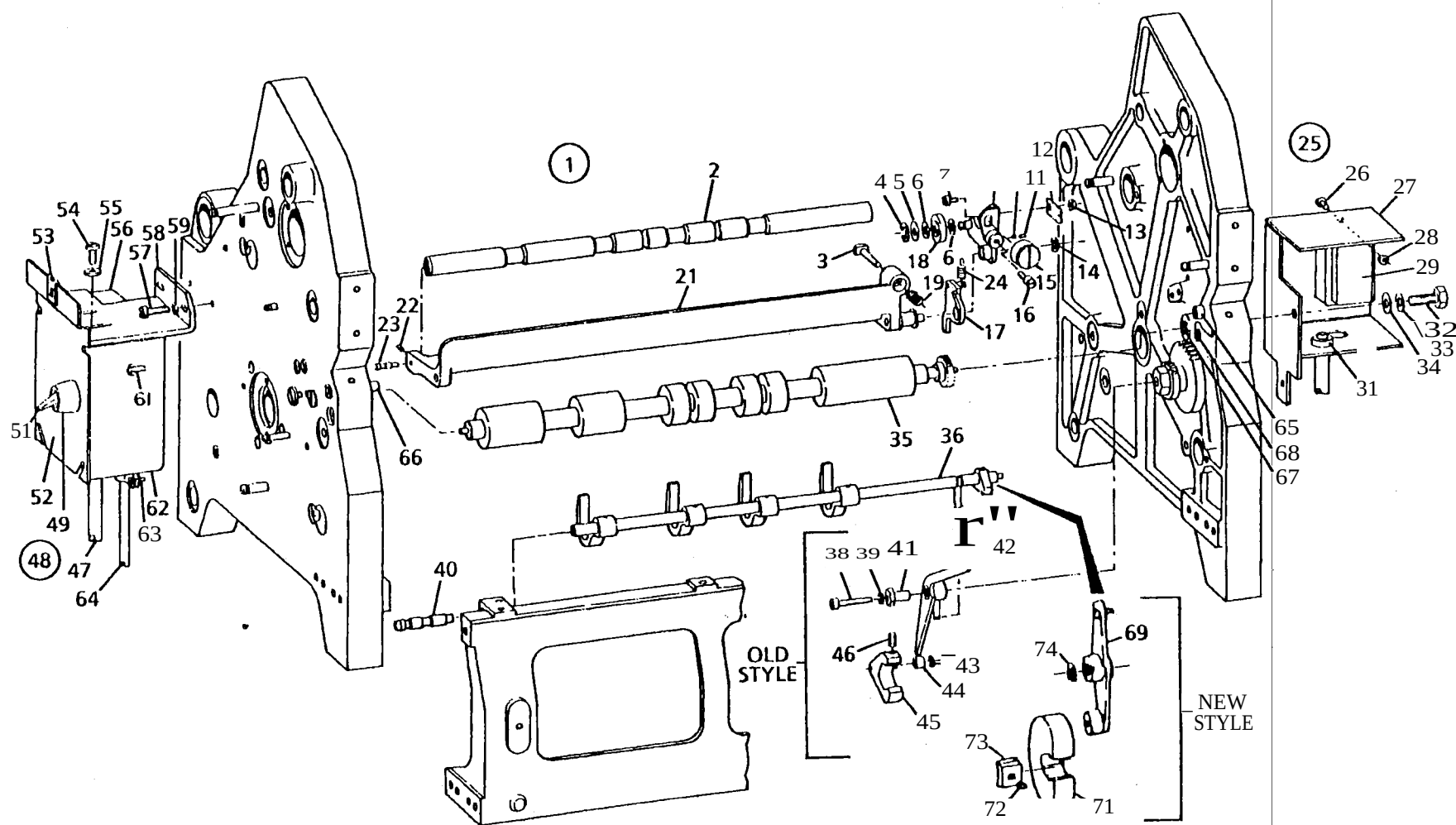
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GROUP 15- Control Panel

KEY	PART NUMBER	DESCRIPTION	QTY	NT
1	13-4-208446	HSG ASY CNTL PANEL COMP.	1	
2	13-0-196462	SWITCH, START	1	
	13-8-196456	GUARD, SWITCH	1	
3	13-5-196459	SWITCH, LAMP	2	
5	13-2-196015	KNOB	1	
	13-0-197585	SPEED POT 10K W/WIRES	1	
6	13-7-196812	OVERLAY, CONTROL PANEL	1	
7	13-6-195799	BASE PLATE	1	
8	50161	NUT	1	
9	13-5-208445	HOUSING	1	
11	13-0-195837	COVER	1	
12	48-438-504C	WASHER, SPLIT LOCK 48	2	
13	12-7004-85	SCREW SELF TAP 8X7/16	2	
14	48-438-504C	WASHER, SPLIT LOCK 48	5	
15	48-423-194C	SCREW, 8-32X3/8	5	
16	13-3-196022	CABLE, 9 POS.	1	
18	301133	NUT, KEPS 8-32	2	
19	13-9-186746	SPACER, ¹ / ₄ OD X1/2	4	
21	50109	NUT, KEPS 6-32	8	
22	13-7-196036	HARNESS, DC CONTROL	1	
23	13-5-195808	PC BOARD, COUNTER	1	
24	48-063-1007	CCAMP, CABLE	1	
25	13-6-196037	HARNESS, AC CONTROL	1	
26	13-2-196460	SWITCH, RESET	1	
27	13-1-196461	SWITCH, HOLD	1	
	13-3-196030	RESISTOR ASSY.	1	
28	13-6-196458	SWITCH, STOP	1	
* 29	13-5-196467	SWITCH KIT, START	1	1
* 31	13-8-196464	SWITCH KIT, LAMP	1	1
x 32	13-0-196470	SWITCH KIT, CALIBRATE	1	1
x 33	13-2-196015	KNOB	1	1
	13-3-196014	SPEED POT (10K) W/O WIRE	1	1
* 34	13-6-195849	OVERLAY, CONTROL PANEL	1	1
* 35	13-6-195799	BASE PLATE	1	1
x 36	13-7-196465	SWITCH KIT, RESET	1	1
* 37	13-6-196466	SWITCH KIT, HOLD	1	1
	13-3-196030	RESISTOR ASSY.	1	1
g 38	13-9-196463	SWITCH KIT, STOP	1	1
*999	NOTE 1:	INDICATES OLD STYLE		

* Indicates Change

1450/1650

GROUP 16- Elevating Frame, Feed Roll, Power Switch

LOWER FEED LOWER ROLLERS

MODELS 1330/130_

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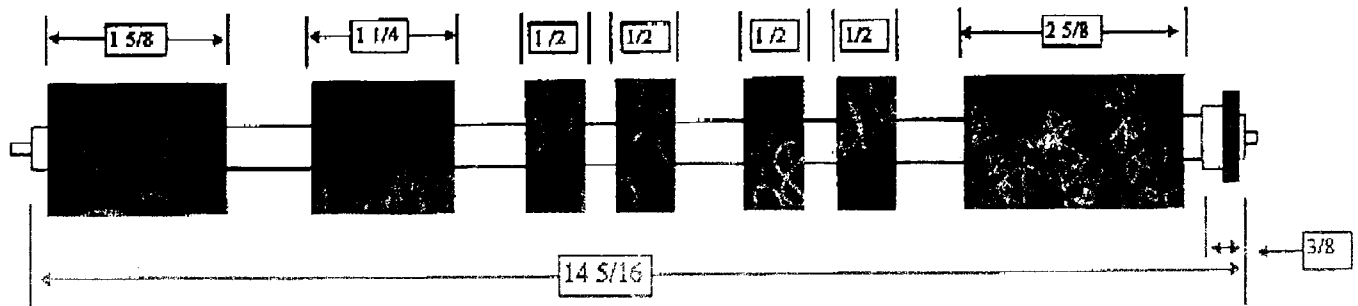
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MODELS 1360/1650/1100/3850 1 ST HP 62

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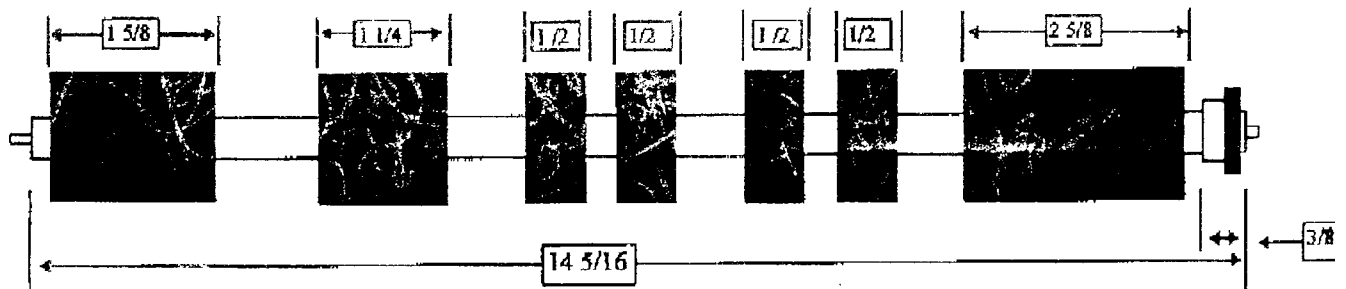
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296-1003 BUSHING 0/S 5/16 OP - SS3

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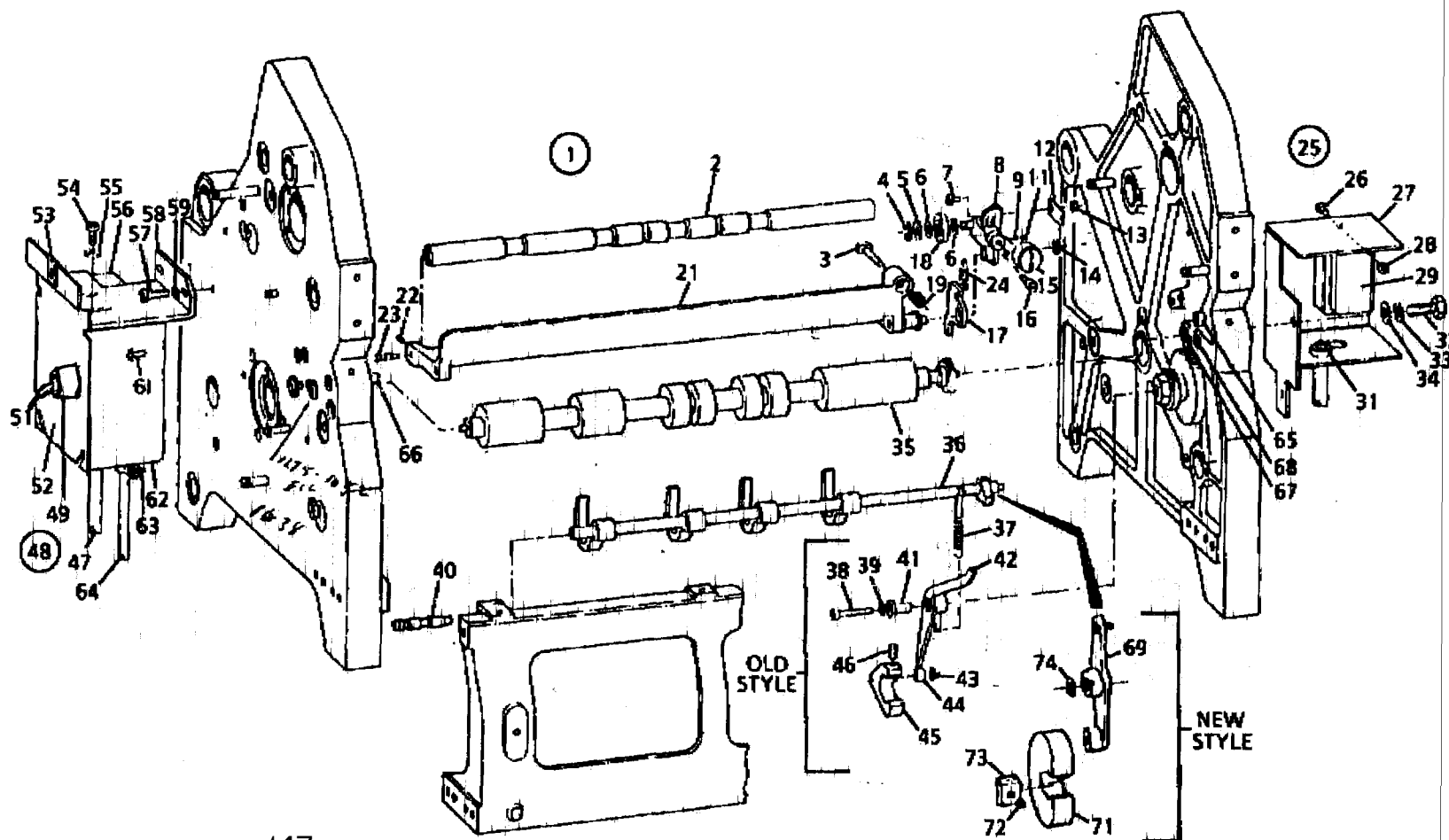
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for M1450/1650: OS stop finger in lever controlled, NS is cam controlled

GROUP 16- Elevating Frame, Feed Roll, Power Switch



PIN FOR RECEIVING R447
 L 197-6305
 R 120-3008

GROUP 16- Elevating Frame, Feed Roll, Power Switch

KEY PART NUMBER	DESCRIPTION	QTY NT	KEY PART NUMBER	DESCRIPTION	QTY NT
1 13-7-208914	FRAME ASSY ELEV N/S 2-23	1	37 80-1206	SPRING	1
13-8-186283	ELEV. FRAME 015	1	58 48-433-484C	SCREW 8-32X1	1
2 13-8-208913	ROLL ASSY UPPER FEED N/S 2'41	1	39 48-431 20511,K	LOCKWASHER	1
13-6-186285	ROLL ASSY UPPER FEED 0/5243	1	m 40 86-323	PIN	1
3 13-5-190161	SCREW, ELEV. FRAME ADJ.	1	41 185-3315	BUSHING, [CC.	1
4 60829	RING, RETAINING	1	42 120-9105-A	LATCH ASSY. STOP FINGER	1
5 F2-6084	WASHER	AR	43 750-5237	RING, RETAINING	1
6 190-5054	WASHER, 254 ID	2	44 185-3325	ROLLER	1
7 48-409-114C	SCREW 8-32X1/4	1	45 185-3318-A	CLAMP ASSY. ROLLER MTG.	1
8 13-6-195534	LEVER ASSY. FRAME OPER,	1	46 185-3320	SCREW, 10-32X0/2	1
9 1279-1583	PIN	1	47 11-3-196402	POWER CORD ASSY.	1
11 680-33006	SCREW 61114	1	13-2-19614B	POWER SWITCH ASSY.	1
12 13-7-165502	CLIP. SP 7 G	1	49 E35-2	GUARD, SWITCH BUTTON	1
13 301133	NUT. UPS-32	1	----51 13-3-1950340e	SWITCH 20 AMP, 250V	1
14 850-2014	RING. E	1	52 13-4-195813	PLATE, SWITCH MTG.	1
15 13-1-190217	NUT. ADJUSTING ewe refsto%	1	53 13-0-1849 5	RECEPTA	1
16 2,4-1311	SCREW, 8-32X5/8	1	54 48-411-110	SCREW, 10-12X3/8	1
17 13-1-195550	IVER ASSY.	1	55 48-437-02	WASHER, 1	1
18 13-1-190159	R LTER ASSY.	1	56 13-0-1041)	COVER, SWITCH SPLASH 1.0	1
19 10d-261	5 RING	1	13-1-1/42	COVER. SWITCH SPLASH C.0	1
21 13 1-190696	PIN & ELEV FRAME ASSY	1	57 48-406-167C	SCREW. 10-32X5/8	2
22 1745250	6 REW, 5-52)(1,4	2	51 13-7-187340	BRACKET, SWITCH BOX	1
23 1275-1328	P N UPPER FEED ROLL BRD.	2	54 4a-437-026C	WASHER, AIR 018	2
24 194-1013	SPRING	1	41 15-5-1454632	SCREW, GROUND, 10-S2	1
2s 134-196045	CASLE, CHAIN INTERFACE	1	61 Etis	BOX, 5W2 0	1
k6 44 119 144D	INT 26-31	2	63 9-1116	CLAMP, CABLE	2
27 13-4-196922	SCR W 8-32X3/8	1	6! 3-1-196149	CABLE, MAI VINE*	1
a soili3,	ORA Kr	1	6 196-1004	BUSHING, E E ATI 0 FRAME	1
29 134-L181219	NIT4 EPS 8-32	2	6 3-'3-199091	Pm, EL Atilid F 1E	1
31 48-011-0013	stica, '15 POS. &-6	1	6 96-1003	8 SIING, LOWER FEE ROLq11	1
32 206-C-1254	STRAIN RELIEF	1	69 13-4-208594	BUSHING, 510? FINGER o,,,,	1
13 48-438-209A	SCREW 5/16-24X5/4	1	71 13-5-208813	ARM ASSY.	1
34 50029	WASHER LOCK 5116 SPRING	1	72 50613	CAM, STOP FINGER	1
A35 13-8-208616	WASHER, FLAT 5/16	1	73 13-9-218599	SET SCREW 1,4-28	1
13-3-190421	ROLL ASSY LOWER FEED N/5	1	74 61340	BLOCK, CAM CLAMPING	1
56 136.21208612	ROLL ASSY LOWER FEED 0/S	1	999 Hatei	RING, RET.	1
1360-186527	SHAFT ASSY STOP FNOR 14/5 1"1/60	1		0/54,N/S PARTS HOT	
	SHAFT ASSY STOP MR 0/5	1		INTERCHANGEABLE	

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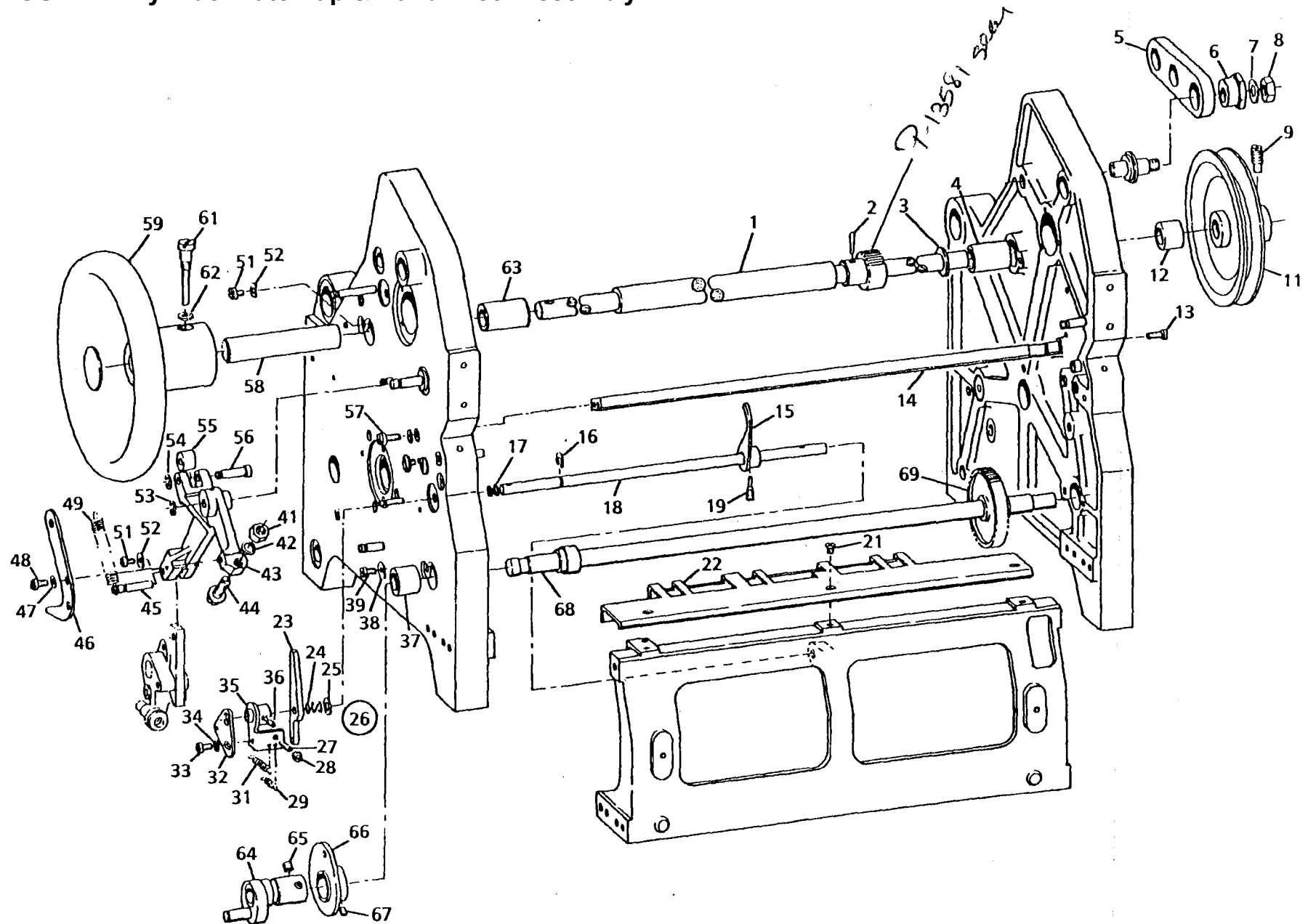
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GROUP 16 - Elevating Frame, Feed Roll, Power Switch

KEY	PART NUMBER	DESCRIPTION	QTY	NT	KEY	PART NUMBER	DESCRIPTION	QTY	NT
1	13-7-208914	FRAME ASSY ELEV N/S 2-23	1		37	80-1206	SPRING	1	
	13-8-186283	ELEV. FRAME 0/5	1		38	48-433-484C	SCREW 8-32X1	1	
2	13-8-208913	ROLL ASSY UPPER FEED N/S	1		39	48-438-2050	LOCKWASHER	1	
	13-6-186285	ROLL ASSY UPPER FEED 0/5	1		X 40	86-323	PIN	1	
3	13-5-190163	SCREW, ELEV. FRAME ADJ.	1		41	185-3315	BUSHING, ECC.	1	
4	60829	RING. RETAINING	1		42	120-9205-A	LATCH ASSY. STOP FINGER	1	
5	F2-6004	WASHER	AR		43	750-5237	RING, RETAINING	1	
6	190-5054	WASHER, 254 ID	2		44	185-3325	ROLLER	1	
7	48-409-114C	SCREW 8-32X1/4	1		45	185-3318-A	CLAMP ASSY. ROLLER MI6_	1	
8	13-6-195534	LEVER ASSY. FRAME OPER.	.1		46	185-3320	SCREW, 10-32X1/2	1	
9	1279-1383	PIN	1		47	13-3-196402	POWER CORD ASSY.	1	
11	680-33006	SCREW 6-32X1/8	1		48	13-2-196148	POWER SWITCH ASSY.	1	
12	13-7-165502	CLIP, SPRING	1		49	E33-2	GUARD, SWITCH BUTTON	1	
13	301133	NUT, KEPS 8-32	1		51	13-3-195834	SWITCH 20 AMP, 250V	1	
14	850-2014	RING, E	1		52	13-4-195833	PLATE, SWITCH MTG.	1	
15	13-1-190217	NUT, ADJUSTING	1		53	13-0-184963	RECEPTACLE	1	
16	296-1311	SCREW, 8-32X5/8	1		54	48-419-197D	SCREW, PAN ND 10-32X3/8	2	
17	13-0-195530	LEVER ASSY.	1		55	48-437-0268	WASHER, 110	2	
18	13-1-190159	ROLLER ASSY.	1		56	13-0-188410	COVER. SWITCH SPLASH T.D.	1	
19	100-261	SPRING	1			13-1-174278	COVER, SWITCH SPLASH C.D	1	
21	13-1-190696	PIN & ELEV FRAME ASSY	1		57	48-406-367C	SCREW, 10-32X5/8	2	
22	0G-5250	SCREW, 8-32X1/4	2		58	13-7-187340	BRACKET, SWITCH BOX	1	
23	1275-1328	PIN UPPER FEED ROLL BRG.	2		59	48-437-026C	WASHER, PLAIN 110	2	
24	194-1013	SPRING	1		61	13-5-195832	SCREW, GROUND, 10-32	1	
25	13-6-196045	CABLE, CHAIN INTERFACE	1		62	E12-3	BOX, SWITCH	1	
		INCL. 26-31			63	29-1116	CLAMP, CABLE	2	
26	48-419-194D	SCREW 8-32X3/8	2		64	13-1-196149	CABLE, MAIN POWER	1	
27	13-4-196922	BRACKET	1		65	296-1004	BUSHING, ELEVATING FRAME	1	
28	301133	NUT, KEP5 8-32	2		66	13-9-185078	PIN, ELEVATING FRAME	1	
29	13-8-181219	SOCKET, 15 POS.	1		67	13-3-199091	BUSHING, LOWER FEED ROLL	1	
31	48-011-0013	STRAIN RELIEF	1		68	296-1003	BUSHING, STOP FINGER	1	
32	206-C-1254	SCREW 5/16-24X3/4	1		69	13-4-208594	ARM ASSY.	1	
33	48-438-209A	WASHER LOCK 5/16 SPRING	1		71	13-5-208833	CAM, STOP FINGER	1	
34	50029	WASHER. FLAT 5/16	1		72	50613	SET SCREW 1/4-28	1	
35	13-8-208616	ROLL ASSY LOWER FEED N/S	1		73	13-9-208599	BLOCK, CAM CLAMPING	1	
	13-3-190421	ROLL ASSY LOWER FEED 0/5	1		74	61390	RING, RET.		
36	13-2-208612	SHAFT ASSY STOP FNGR N/S	1		999	NOTE:	0/5 a N/5 PARTS NOT		
	13-4-186,27	SHAFT ASSY STOP FUGR 0/5	1				INTERCHANGEABLE		

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Indicates Change

GROUP 17 - Cylinder Latch-up & Handwheel Assembly

GROUP 17- Cylinder Latch-up & Handwheel Assembly

KEY	PART NUMBER	DESCRIPTION	QTY NT	KEY	PART NUMBER	DESCRIPTION	QTY NT
1	13-6-186475	SHAFT ASSY., DRIVE	1	36	36-554	SCREW	1
2	117-238	PIN	1	37	120-3002	BEARING	2
3	13-6-195377	WASHER, THRUST	1	38	200-9	WAS	2
4	13-4-195379	ROLLER BEARING ASSY.	1	39	48-406-154C	SCREW	2
5	120-349-1	LINK	2	41	4-337	NUT	1
	120-3493	KIT, INCL. 5 8 6	1	42	AXM-191	WASHER	1
6	13-1-195471	BUSHING, ECC.	2	43	1278-132	LEVER	1
7	PX-145	WASHER	2	44	1220-7020	SCREW, 5/16-24X3/4	1
8	48-436-054C	NUT	2	45	120-3208	PIN	1
9	120-3407	PILOT SCREW 5/16-24X ⁷ / ₈	1	46	120-3739	CAM	1
11	13-4-196179	PULLEY, DRIVE	1	47	26-1803	WAS	1
12	13-6-196144	SPACER	1	48	120-601	SCREW, 10-32X3/8	1
13	F2-1136	SCREW, 10-32X1 3/16	2	49	13-9-205884	SPRING	1
14	13-7-190112	GUIDE, PAPER	1	51	48-406-154C	SCREW, 8-32X5/16	1
	13-9-197495	DEFLECTOR ROD, S.F.	1	52	200-9	WASHER	1
15	13-9-190417	FINGER ASSY. FEELER	1	53	40-1813	WASHER	1
16	40-1813	WASHER, C	1	54	170-1331	WASHER, C	1
17	120-3325	WASHER .315 ID	2	55	29-1309	ROLLER	1
18	13-7-186482	SHAFT, FEELER FINGER	1	56	120-3209	PIN	1
19	36-554	SCREW, 10-32X3/4	1	57	48-406-2778	SCREW 10-32X1/2	2
21	19-291	SCREW, 10-32X13/32	3	58	13-9-187207	COLLAR, SLIP LEFT	1
22	13-3-186528	SHELF, PAPER 0/S r=4(.3(.4?4,ku	1	59	13-3-178756	HANDWHEEL ASSY.	1
	13-9-209100	SHELF, PAPER N/S	1		13-2-190521	INSERT	1
23	296-1317	PAWL RELEASE LEVER	1	.61	50-1204-1	SCREW, 1/4-28X1 5/16	1
24	900-35102	SPRING	1	62	48-438-408A	WASHER, LOCK 1/4	1
25	D3-5225	WASHER	1	-63	185-303	BUSHING	1
26	120-3742-A1	ARM ASSY. DETENT PAWL	1	64	1279-5708-A	CRANK ASSY., FEEDER	1
		INCL. 27-28, 32-35	1	65	11-2230	SET SCREW 5/16-18X1/4	1
27	900-30023	SCREW, 8-32X3/16	1	66	1279-5710-A	CAM ASSY., JOGGER DRIVE	1
28	700-9272	NUT	1	67	XM-981-4	SET SCREW, 10-32X1/4	1
29	86-422	SPRING	1	68	13-1-186462	SHAFT ASSY., FEEDER DRIVE	1
31	10-2948-1	SPRING	1		EF-3500	TAPER PIN	2
32	120-3744-A	PLATE ASSY.	1	* 69	120-36200-S	GEAR W/HOLE	1
33	48-406-157C	SCREW, 10-32X ⁵ / ₁₆	1	999		SEE GROUP 58 FOR NON-ROTATING HANDWHEEL	
34	F2-33242	WASHER	1				
35	120-3742-A	ARM ASSY.	1				

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Indicates Change

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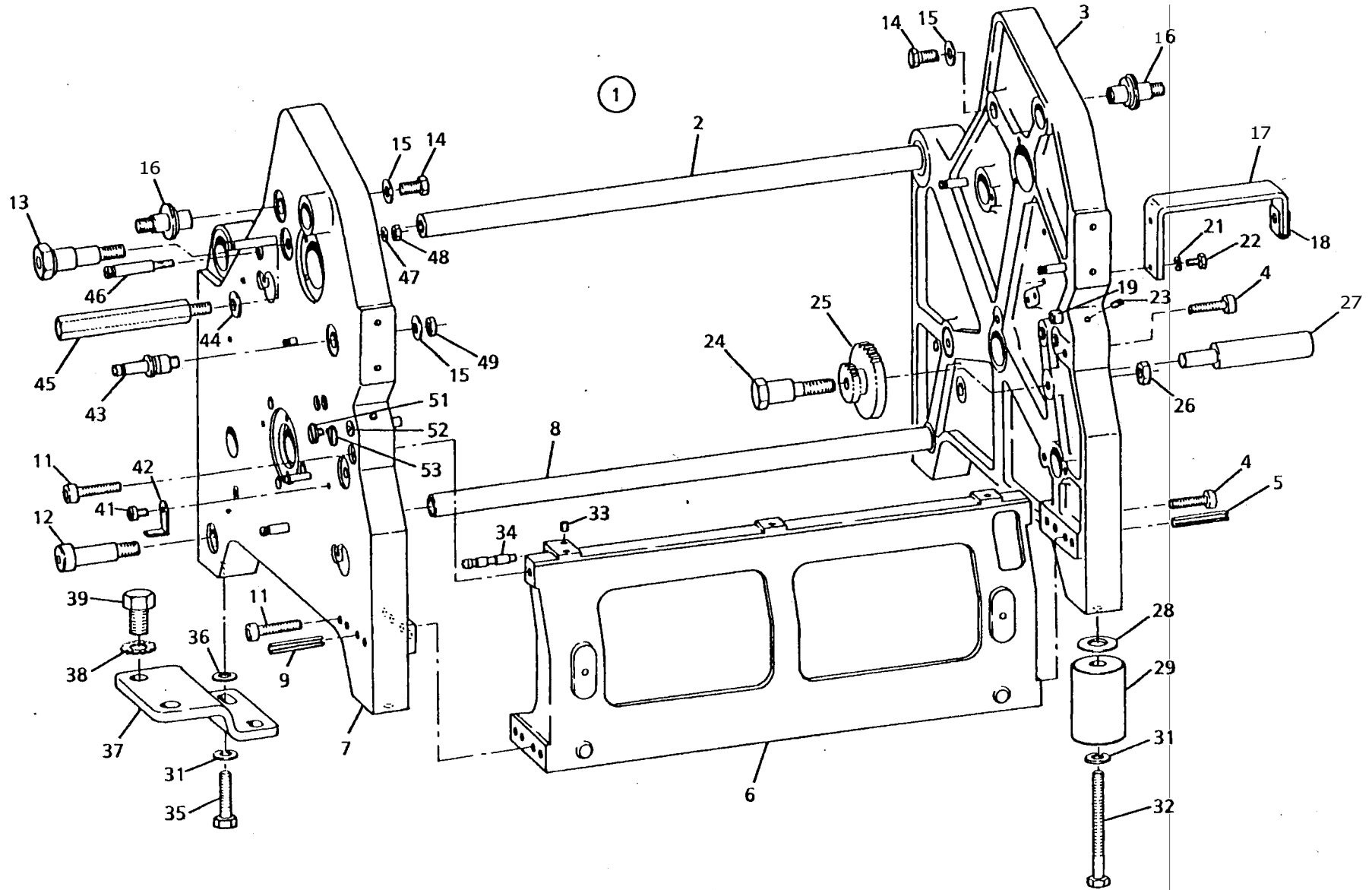
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GROUP 18 - Head Replacement Assembly

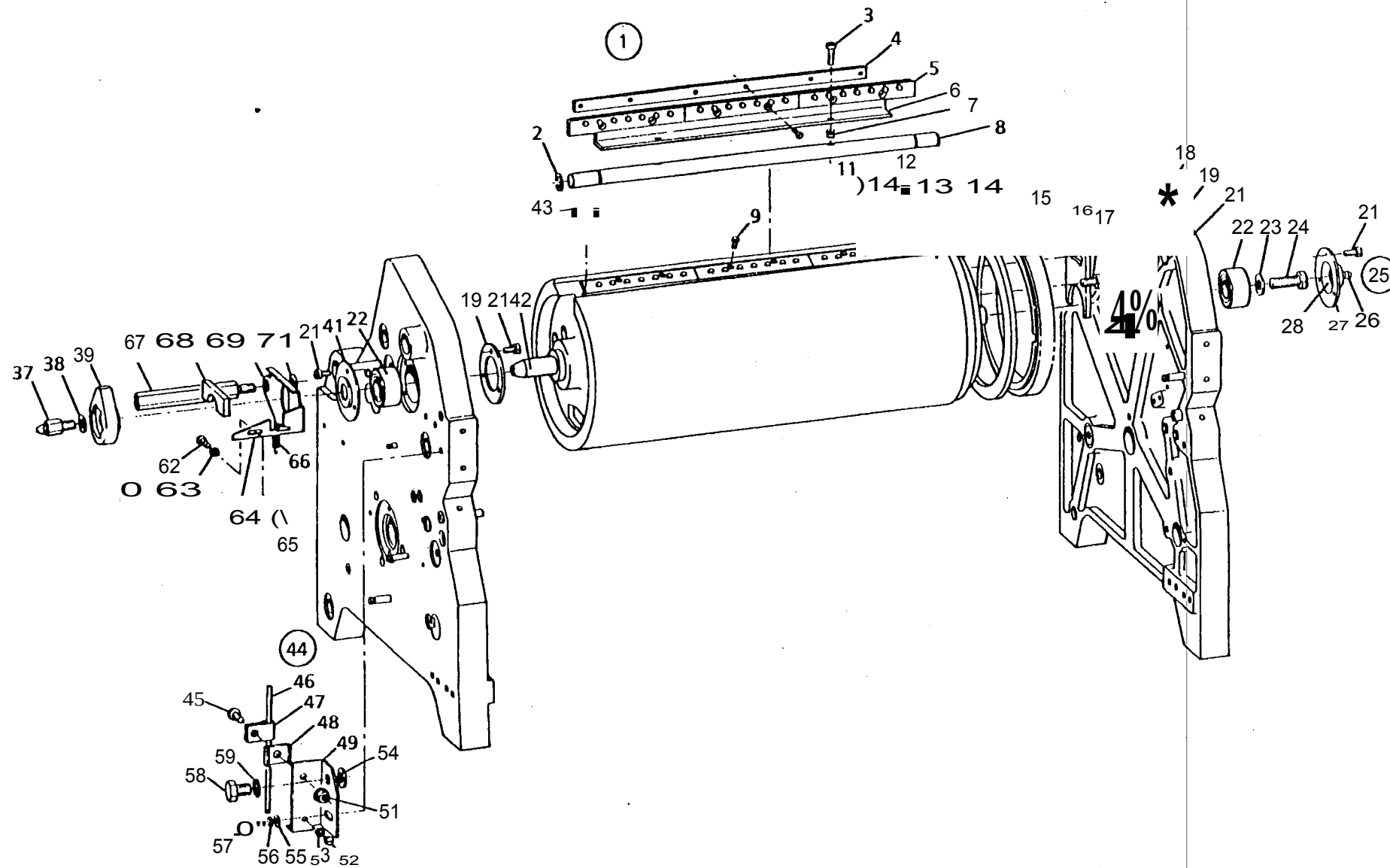


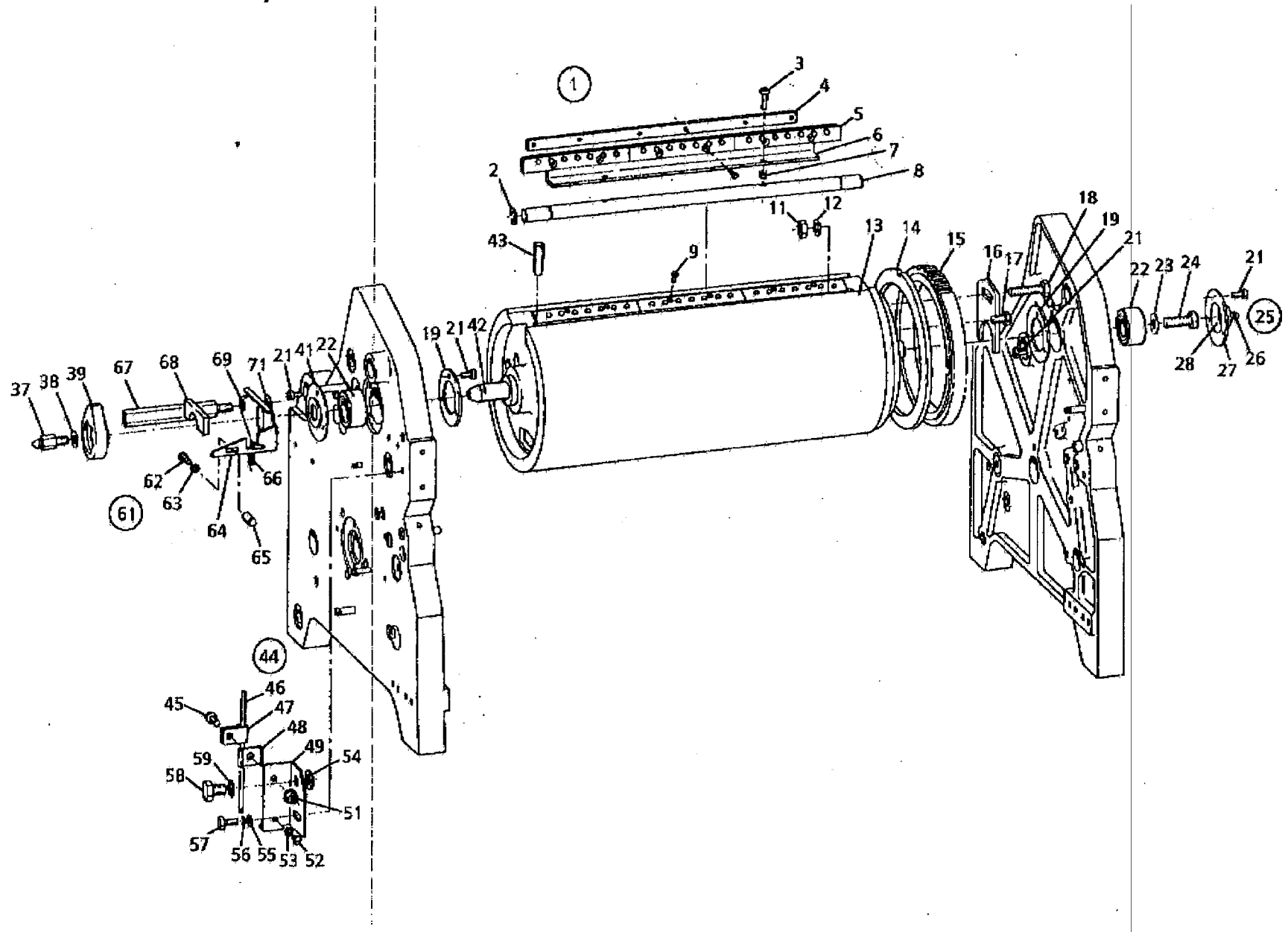
GROUP 18- Head Replacement Assembly

KEY	PART NUMBER	DESCRIPTION	QTY	NT
1	13-1-196222	HEAD ASSY. REPLACEMENT INCL. 2-13	1	1
14	78-15	SCREW	1	
15	58-361	WASHER	1	
16	120-3014	STUD	1	
17	13-4-187285	BRACKET, RIGHT REAR	1	2
18	13-0-184963	RECEPTACLE	1	2
19	296-1004	BEARING 6Civ4DASE F44,1kt.	1	
21	48-438-503A	WASHER, LOCK 16	2	2
22	48-411-192D	SCREW, 6-32X3/8	2	2
23	40-1563	SCREW	1	
24	120-9206	SCREW, 5/16-24X1 3/16 0/S	1	
	13-8-208608	SCREW, SHOULDER N/S	1	
25	13-7-196705	GEAR, IDLER	1	
26	120-30	NUT	1	
27	13-9-193890	PIN	1	
28	D4-2474-1	WASHER	AR	R
29	13-8-193909	SPACER, HEAD SUPPORT	2	
31	48-438-209A	WASHER, LOCK	6	
32	13-8-193974	SCREW, 5/16-18X3	2	
33	ARM-9521	SET SCREW	1	
34	86-323	PIN	1	
35	13-9-193973	SCREW, HEX 5/16-18X1/4	2	
36	CP8P-1059	WASHER 21/64 ID	2	
37	13-5-193902	MTG. BKT. LOWER PLATE	2	
38	48-438-511A	WASHER, LOCK EXTERNAL	4	
39	13-2-182882	SCREW, HEX HD 1/2-13	4	
41	48-406-154C	SCREW, 8-32X5/16	1	
42	66-104	STOP	1	
43	120-3058	STUD, PIVOT RELEASE LEVER	1	
44	58-260	WASHER	1	
45	13-9-187272	STANDOFF, LEFT REAR	1	
45	13-3-209973	STANDOFF, N/S	1	
46	120-3497	SCREW, 1 7/8"	1	
48	50162	NUT	1	
49	48-436-050C	NUT	1	
51	120-3054	SCREW	1	
52	60829	RETAINING RING	1	
53	1275-1052	BEARING, 1"	1	
999	NOTE 1:	ITEM 1 REPLACED AS AN ASSEMBLY ONLY.		
	NOTE 2:	OLD STYLE		

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Indicates Change

GROUP 19- Blanket Cylinder

GROUP 19 - Ian Icet Cylinder



GROUP 19- Blanket Cylinder

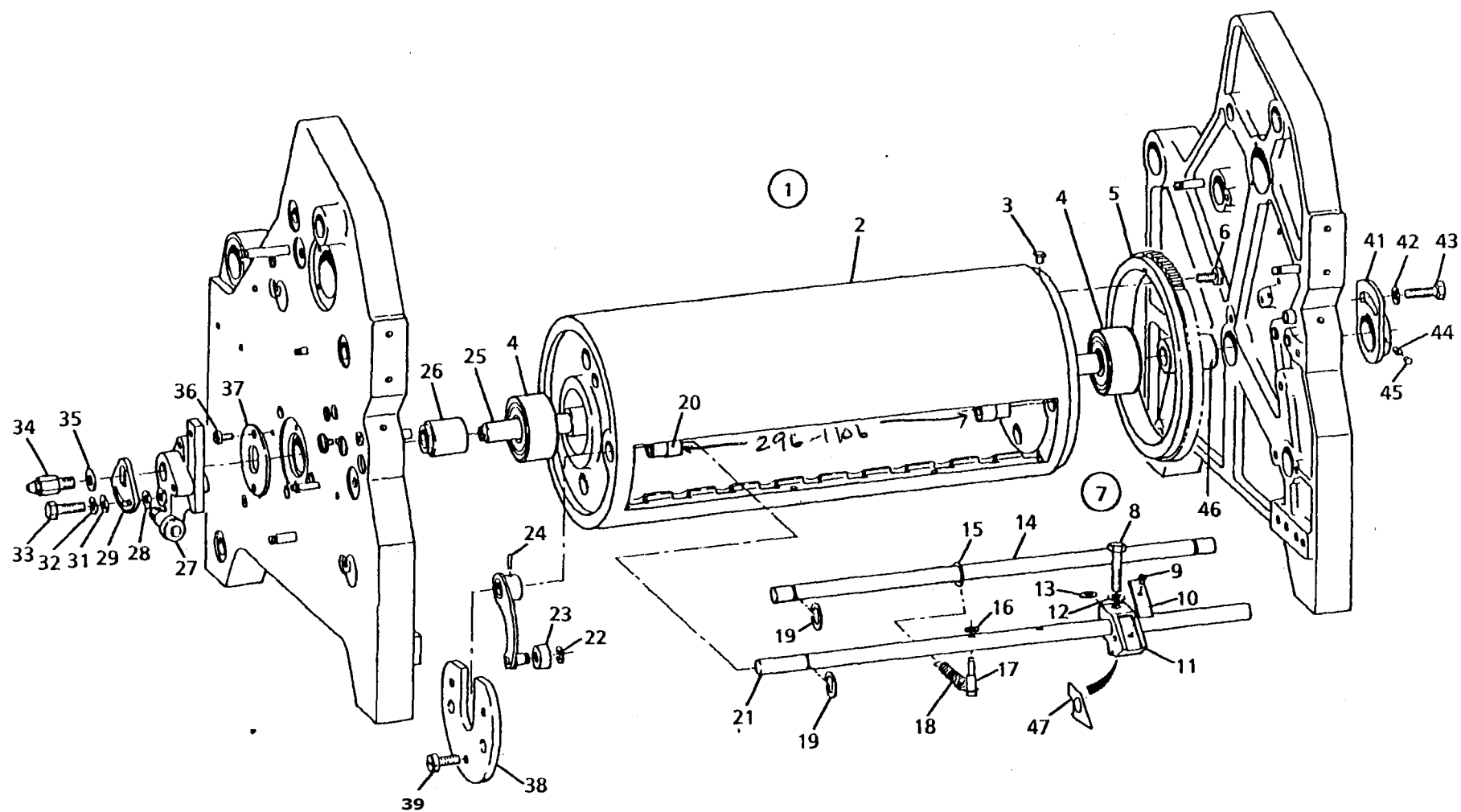
KEY	PART	MONIER	DESCRIPT ON	QTY	NT	KEY	PART	ROWER	DESCRIPTION	QTY	NT
1	13-5-196741		MARKET CYL. ASSY.	1		42	216-1106		SCREW, 3/8-16X1 5/32 0/5		
			INCL Z-18			43	13-0-196737		DOWEL P/N .37401 e t		
2	850-5009		RIM, RETAINING	2			15-6-196649		SENSOR ASSY. 45-53cwwrea	1	1
4	120-3/3		SCREW	2			48-419-1946		SCREW, PAN 8-12X318	1	1
A	13-5-186385		NUT BAR 1				14-4-1164-1		SENSOR ASSY., WIRED	1	1
5	13-4-186616		CLAMP J	3	2		13-7-196648		CABLE ASSY.		
14	13-7-196685		CLAMP UT 6.424 CTR CTR	1		47	48-063-1122		CLAMP, CABLE	1	1
7	3A-4608		SPRING	2		48	E25-210		WASHER, CABLE CLAMP	1	1
B	13-8-196688		SHAFT			49	13-2-196650		BRACKET, SENSOR	1	1
9	120-4501		SCREW, 81=11/32	12		51	301133		NUT, KEPS 8-32	1	1
11	48-436-0490		NUT	1		52	48-403-0788		SCREW, PAN 4-40X1/8	1	1
12	58-361		WASHER	1		55	48-438-202A		WASHER, LOCK	1	1
15	13-5-196786		KIT, CYLW/PIN 16 1/2"			54	48-437-012D		SPACER	1	1
IA	1.1-9-154244		Cam, ELEVATING FRAME	1		55	48-437-023A		WASHER, PLAIN	1	1
15	13-6-132362		GEAR, CYEINDER	1		56	46-438-505A		WASHER, LOCK		
16	185-3254		KEY			57	48-412-1141)		SCREW, HEX 8-32X3/8	1	
17	104-156		SCREW	3		58	48-411-2000		SCREW, HEX 1/4-20X3/8	1	
18	124-3251		Ma	1		59	48-438-507A		WASHER, LOCK	1	
19	135-3026		RETAIkm BEARING INSIDE	2		61	13-1-137395		LEVER ASSY,	1	
21	48-404-154C		SCREW, 8;32)0/16	9		62	48-419-100		SCREW, PAN 4-40X1/4	1	1
22	296-1412		BALL BEARING	2		63	448-21324		WASHER, LOCK SPLIT	1	1
23	F2-1103		WASHER, 13/64 ID	1		64	120-3052		LEVER	1	1
24	48-426-2778		SCREW, BTN 10-32X1/2	1			13-4-187392		MAONET -COAVer42-TR, P	1	1
25	296-1016-A		RETAINER ASSY, BRG. R.			66	20-40671		SPRING	1	1
			INCL. 26-28			67	13-9-187272		STANDOFF, REAR	1	
26	120-5010		FITTING, ALLEMITE				13-3-209973		STANDOFF, N/S	1	
27	296-1416		RETAINER, BEARING R,	1		68	1z0-5060		SHOE		1
28	00-560-1/2		WASHER			69	0-s61		WASHER	1	
			NUT	1		71	206-1061		BUSHING	1	
37	86-440-4		PLUG ASSY., EXTENSION	1		999	11-9-196653		WIRE ASSY., JUMPER	1	1
58	11-7-154922		HASHER, Cam RELAIN1NO				NOTE 1:		INCL. IN 83-1-105507		
19	11-8-154921		Cam, IMPXYL. RELEASE				NOTE 2:		COUNTER KIT		
41	296-1055		RELAINER4 BEARING OUTSIDE	1					133-186619 KIT, TRAIL		
42	1.1-9-186341		SHAFT, 0/5	1					CLAMP INCL 3-7, 9		
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GROUP 19- Blanket Cylinder

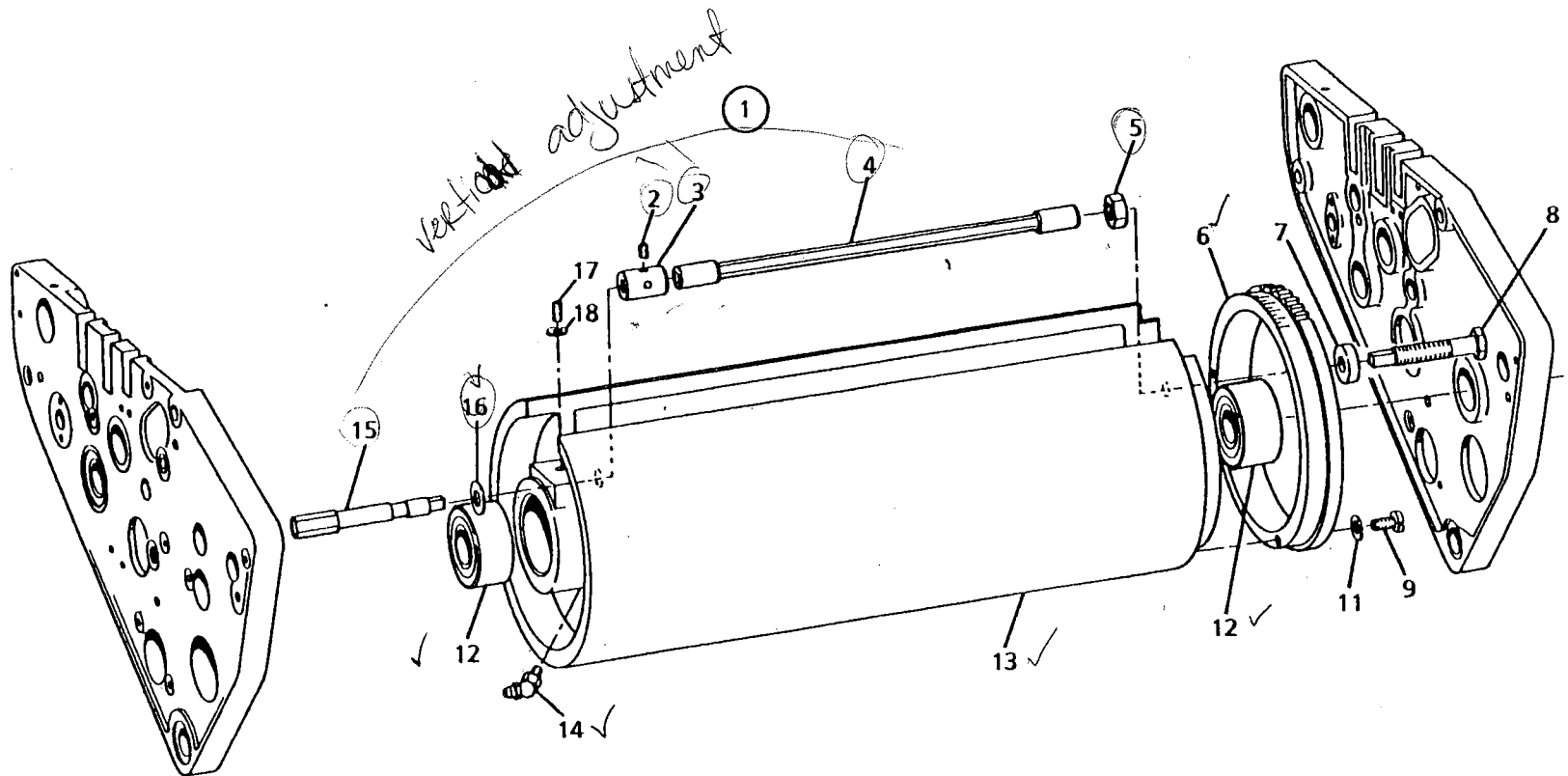
KEY	PART NUMBER	DESCRIPTION	QTY	NT	KEY	PART NUMBER	DESCRIPTION	QTY	NT
1	13-3-196741	BLANKET CYL. ASSY.	1		42	216-1106	SCREW, 3/8-16X1 5/32	0/5	1
Z	850-5009	INCL. 2-18			43	13-9-196737	DOWEL PIN		1
3	120-373	RING, RETAINING	2		44	13-6-196649	SENSOR ASSY. 45-53		1 1
4	13-5-186385	SCREW	2		45	48-419-1940	SCREW, PAN 8-32X3/8		1 1
5	13-4-186618	NUT BAR	1		46	13-1-196651	SENSOR ASSY., WIRED		1 1
6	13-7-196689	CLAMP	3	2		13-7-196648	CABLE ASSY.		1
7	3A-4608	CLAMP BKT 6.424 CTR - CTR	1		47	48-063-1122	CLAMP, CABLE		1 1
8	13-8-196688	SPRING	2		48	E25-210	WASHER, CABLE CLAMP		1 1
9	120-4501	SHAFT	1		49	13-2-196650	BRACKET, SENSOR		1 1
11	48-436-0490	SCREW, 8-32X11/32	12		51	301133	NUT, KEPS 8-32		1 1
12	58-361	NUT	1		52	48-403-078B	SCREW, PAN 4-40X1/8		1 1
13	13-9-196786	WASHER	1		53	48-438-202A	WASHER, LOCK		1 1
14	11-9-154284	KIT, CYL W/PIN 16 1/2"	1		54	48-437-032D	SPACER		1 1
15	13-6-132362	CAM, ELEVATING FRAME	1		55	48-437-023A	WASHER, PLAIN		1 1
16	185-3250	GEAR, CYLINDER	1		56	48-438-505A	WASHER, LOCK		1
17	100-156	KEY	1		57	48-412-194D	SCREW, HEX 8-32X3/8		1
18	120-3251	SCREW	3		58	48-411-200D	SCREW, HEX 1/4-20X3/8		1
19	185-3020	BOLT	1		59	48-438-507A	WASHER, LOCK		1
21	48-406-154C	RETAINER, BEARING INSIDE	2		61	13-1-187395	LEVER ASSY.		1
22	296-1012	SCREW, 8-32X5/16	9		62	48-419-108D	SCREW, PAN 4-40X1/4		1 1
23	F2-1103	BALL BEARING	2		63	48-438-202A	WASHER, LOCK SPLIT		1 1
24	48-426-277B	WASHER, 13/64 ID	1		64	120-3052	LEVER		1 1
25	296-1016-A	SCREW, BIN 10-32X1/2	1		65	13-4-187392	MAGNET		1 1
		RETAINER ASSY. BRG. R.	1		66	26-40671	SPRING		1 1
		INCL. 26-28			67	13-9-187272	STANDOFF, REAR		1
26	120-3010	FITTING, ALLEMITE	1			13-3-209973	STANDOFF, N/S		1
27	296-1016	RETAINER, BEARING R.	1		68	120-3060	SHOE		1 1
28	OG-560-1/2	WASHER	1		69	58-361	WASHER		1
	10-1007	NUT	1		71	296-1061	BUSHING		1
37	86-440-A	PLUG ASSY., EXTENSION	1		999	13-9-196653	WIRE ASSY., JUMPER		1 1
38	11-7-154922	WASHER, CAM RETAINING	1			NOTE 1:	INCL. IN 83-1-105507		
39	11-8-154921	CAM, IMP.CYL. RELEASE	1			NOTE 2:	COUNTER KIT		
41	296-1055	RETAINER, BEARING OUTSIDE	1				13-3-186619 KIT, TRAIL		
42	13-9-186381	SHAFT, 0/S	1				CLAMP INCL 3-7, 9		

Indicates Change

GROUP 20 - Impression Cylinder;1L5o cR_{ot}, / 7

GROUP 20 - Impression Cylinder

KEY	PART NUMBER	DESCRIPTION	QTY NT	KEY	PART NUMBER	DESCRIPTION	QTY NT
	13-7-196085	CYLINDER, IMP. COMP. 1-24	1	24	14-182	PIN	1
1	13-1-190142	CYLINDER, 5/A	1	25	13-7-186441	SHAFT ASSY. IMP. CYLINDER	1
2	13-2-190141	CYLINDER, IMPRESSION	1	26	13-2-186446	BUSHING, IMP. CYLINDER L.	1
3	6-21	PIN	1	27	120-315-A	ARM ASSY. IMP. CYL. SHAFT	1
4	185-3204	BALL BEARING	2	28	190-5054	WASHER .254 ID	1
5	13-8-132360	GEAR	1	29	120-3155	ADJ. SEGMENT, IMP. CYL.	1
6	100-156	SCREW	3		13-6-196771	SEGMENT, ADJ. SHUTTLEFEED	1
7	296-135-A	HOLDER ASSY., GRIPPER	5	31	4-818	WASHER, 17/64 ID	1
		INCL. 8-12		32	48-438-208B	LOCKWASHER	1
8	119-227	SCREW	1	33	119-227	SCREW	1
9	48-425-152D	SCREW, 6-32X5/16	1	34	86-440-A	ALLEMITE SCREW	1
10	296-1134	FINGER, GRIPPER	1	35	58-361	WASHER	1
11	13-0-186448	HOLDER, GRIPPER FINGER	1	36	4-315	SCREW, 8-32X5/16	2
12	190-5054	WASHER	1	37	296-1127	DISC	1
13	296-1150	WASHER	1	38	120-3009	CAM, GRIPPER FINGER T.D.	1
14	13-3-186437	ROD, SPRING HOLDER	1		1215-1200	CAM, GRIPPER FINGER C.D.	1
15	XM-780	WASHER	2	39	48-433-3700	SCREW	2
16	1720-1031	WASHER, C	2	41	185-307-A	SECTOR ASSY. BRG. ADJ.	1
17	120-3162	PIN	2	42	48-437-031B	WASHER	1
18	120-3163	SPRING, RETURN	2	43	48-411-450B	SCREW, HEX, ¹ / ₄ -20X7/8	1
19	120-3160	WASHER, C	2	44	ARM-9521	SET SCREW	2
20	296-1106	BUSHING, GRIPPER SHAFT	2	45	27-1852	PLASTIC PIN	2
21	13-1-186439	SHAFT ASSY., GRIPPER	1	46	13-7-190609	BUSHING, IMP. CYLINDER R.	1
		INC SHAFT, ARM & PIN		47	13-1-186447	FINGER, PAPER EJECT T.D.	5
22	6400-6080	RING, RETAINING	1		48-433-194F	SCREW, 11-32X3/8	5
23	120-3154-A	ROLLER ASSY.	1		48-438-205R	LOCKWASHER	5

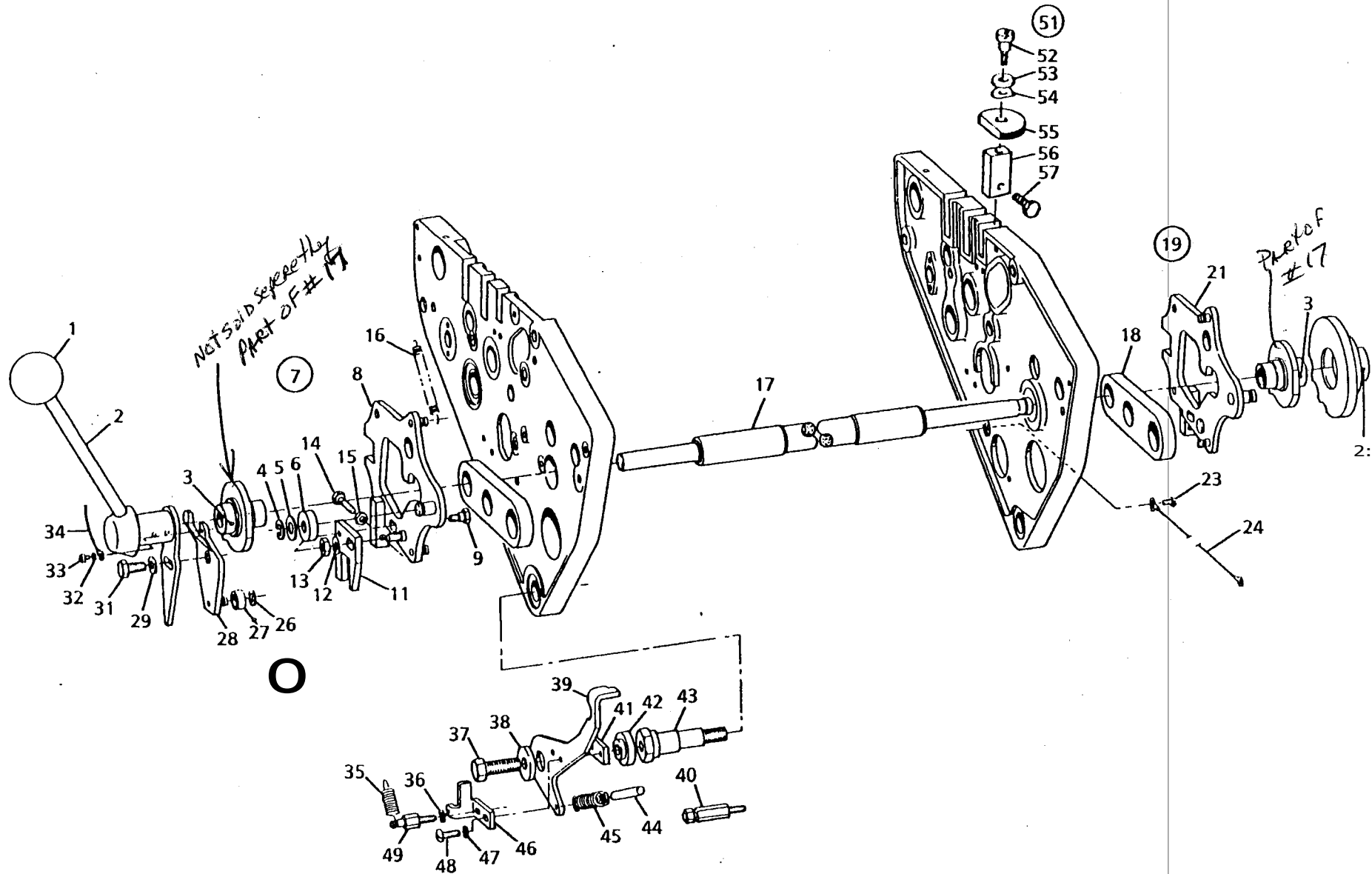
GROUP 21 - Master Cylinder

GROUP 21 - Master Cylinder

KEY	PART NUMBER	DESCRIPTION	QTY NT
1	13-7-196051	MASTER CYLINDER ASSY.2-18	1
2	91-2108	SET SCREW 10-32X1/4	2
3	13-7-190450	COLLAR	1
4	13-7-194106	EXTENSION ASSY.	1
5	13-0-187578	NUT. HEX	1
6	13-3-195750	GEAR, MASTER CYLINDER	1
7	13-7-193918	WASHER, GEAR LOCK	1
8	13-8-194162	SCREW, GEAR LOCK	1
9	120-3453	SCREW, GEAR RETAIN.	2
11	303128	WASHER	2
12	185-3204	BEARING	2
13	13-9-186472	CYLINDER, MASTER	1
14	13-2-186560	FITTING, GREASE, 45 L.H.	1
	86-439	FITTING, GREASE, 30 R.H.	1
15	13-7-194163	SHAFT, GEAR LOCK	1
16	13-5-188381	WASHER	1
17	48-433-197B	SCREW, SOC HD 10-32X3/8	2
18	48-438-2068	LOCK WASHER 410	2

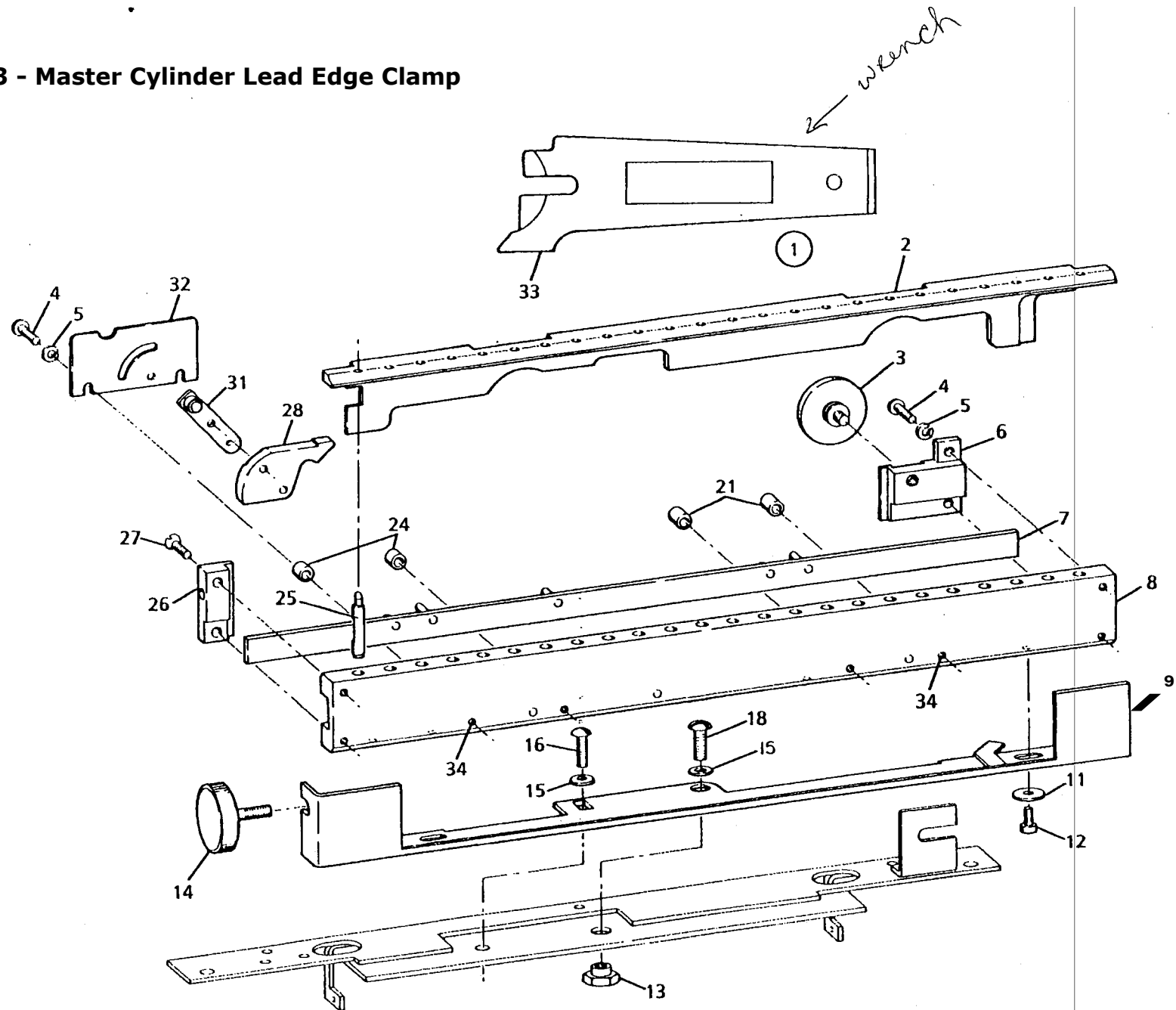
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000 13-4-1 Master Cylinder 2-one piece
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 - "L" 57 kg ed wrench on lead L..
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GROUP 22 - Master Cylinder Shaft Assembly

GROUP 22- Master Cylinder Shaft Assembly

KEY	PART NUMBER	DESCRIPTION	QTY NT	KEY	PART NUMBER	DESCRIPTION	QTY NT
1	MA-742-6	KNOB	1	28	13-1-188252	ARM ASSY., CONTROL	1
2	120-3457-1	STUD	1	29	AXM-27	WASHER, 1/4 in	1
3	A2-5102	SET SCREW	4	31	86-433	SCREW 1/4-28X1/2	1
4	850-2014	RING. E	1	32	48-438-503A	WASHER, LOCK	1
5	108-473	WASHER. PLAIN 3/8 111	1	33	48-419-0820	SCREW 6-32X3/16	1
6	120-3467	ROLLER	1	34	13-4-188713	CABLE, INK FEED	1
7	13-6-188265	PLATE COMP. INK FORM L. INCL. 8-15	1	35	902-8040	SPRING	2
8	13-8-188263	PLATE ASSY. INK FORM ROLL	1		13-3-192062	SPRING (MC MODELS ONLY)	2
9	13-9-188247	SCREW, SHOULDER	1	36	48-438-206B	WASHER, LOCK MC ONLY	1
11	13-1-188245	BKT. 3RD FORM ROLL	1	37	02-1900	SCREW	1
12	48-437-031D	WASHER, PLAIN 1/4	1	38	PX-2291	WASHER	1
13	48-435-043C	NUT, HEX 1/4-20	1	39	13-3-188243	LEVER	1
14	48-411-487C	SCREW, HEX HD 10-32X1	1	40	120-3497	SPRING PIN	1
15	48-435-0360	NUT, HEX 10-32	1	41	13-2-188244	NUT, TWIN	1
16	13-3-179267	SPRING	4	42	120-3498	BUSHING	1
17	13-8-195862	SHAFT ASSY MASTER CYL. MC MODELS ONLY	1	43	1275-3105	SCREW	2
	13-7-195863	SHAFT ASSY MASER CYL.	1	44	13-8-188255	ROD, STOP	1
18	120-349-1	LINK	•2	45	3A-1513	SPRING	1
19	13-7-188264	PLATE COMP INK FORM R. INCL. 9-15, 21	1	46	13-0-188246	BRACKET, STOP	1
21	13-9-188262	PLATE, INK FORM ROLL R.	1	47	48-438-2068	WASHER, LOCK 110	1
22	XM-415	SET SCREW	1	48	48-425-277D	SCREW, 10-32X1/2	1
23	48-425-197C	SCREW TR HD 10-32X3/8	2	49	13-2-191768	STANDOFF (MC MODELS ONLY)	1
24	13-6-194032	WIRE ASSY., GROUNDING	1	51	120-36001-A	LATCH ASSY.	2
25	13-0-188253	ARM ASSY. CONTROL SHAFT	1	52	120-36003	SCREW, SHOULDER 6-40X ³ / ₄	1
26	60829	WASHER, C	1	53	A7-8614	WASHER	1
27	13-7-188249	ROLLER	1	54	CC-1010	WASHER	1
				55	120-36001	LATCH	1
				56	120-36002	POST	1
				57	48-411-114C	SCREW, 8-32X1/4	1

GROUP 23 - Master Cylinder Lead Edge Clamp

GROUP 23- Master Cylinder Lead Edge Clamp

KEY	PART NUMBER	DESCRIPTION	411 Nt
	13-1-195463	CLAMP ASSY. COMP.	
1	13-0-195464	CLAMP ASSY.. LEAD EDGE	
2	13-2-195454	BKI., MASTER HOLDDOWN	1
3	11-1-195455	SCREW. THUMB	1
4	4/-404-362C	SCREW. FIL. ND 6-32X5/6	2
5	48-438-2048X	WASHER, SPLIt LUCK 46	2
--6	13-4-195452	BLOCK. END LEFT	1
---7	13-0-207921	BAR, ACTUATOR	1
8	13-6-195450	HOUSING ASSY.	1
	13-2-195447	BASE ASS?.	1
11	4A-437-0238	WASHER. FLAT 48	1
12	13-7:-190633	SCREW. CAP SELF LOCKING	2
13	13-4-195445	PIN, PIVOT Nur	1
-- 14	13-0-105456	SCREW. THUMB	1
15	48-437-0238	WASHER. FLAT	2
16	48-422-2748	SCREW, RHM 8-32X1/2	1
, 18	48-422-2778	SCREW. RUM 10-32X1/2	1
21	13-2-195419	SPACER	2
24	13-0-195472	SPACER	2
---25	15-4-207919	PIN	24
26	15-5-105451	bIOCX. END RIGHT	1
27	48-409-212C	SCREW, FL HO 6-32X1/2	2
-28	13-2-207855	LINK, ACTUATING	2
---31	13-3-208579	LINK ASSY,	2
--12	13-3-207852	RETAINER	2
33	13-1-196180	TOOL ASS?., ACTUATING	1
	880-5050	MAGNET.	1
34	15-5-195436	DOWEL PIM	2
, 14999	NOTE 1	13-0-196191 CLAMP ASSY	
		KIT 11/TOOL MTG HOWARE	
	- HOT E 21	15-3-207993 GLAIf UPDATE	
		KIT Mineal 7 - IIA15	
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	Part Number	•Dasulpt(on •
2	2-6 13-2-207853	Actuating Link
2	3-2 13-3-207852.	Retainer, Position
24	25- 13-4-207919	Mate Piercing Pin
1	13-0-207921	Actuator Bar
	13-4-195452	Left End Block
	3 - 75- i54	4-h
(	(3 -3 -2-0 g	LipAlk
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Installation Instructions

RE: Master cylinder clamp kit
for 1650/M System/1100 Series
Part*/ P-11385

An upgrade version of the 1650 master clamp has been released to enhance clamping ability and reduce slip-page-

Clamp kit consists of:

Item#	Qty	Part Number	Description
1	2	P-13391	Actuating Link Lower
2	2	P-13571	Postion Retainer
3	24	P-4771	Plate Piercing Pin
4	1	P-13726	ActuatorBar
5	1	P-13734	Left End Block
6	1	P-11794	Thumbscrew
7	2	P-13299	Link Assy

1. Disconnect press from power source. Tag the power cord "leave out" to ensure no one comes over and plugs it back in if you happen to walk away for a moment.
2. Remove alien head cap screws from both ends of master clamp. Then remove clamp assembly from cylinder.
3. Remove and retain the two (2) screws (fig. 1-P). Remove skew adjusting block (Fig. 1-R) from clamp assembly. Remove and retain skew adjusting screw (Fig. 1-C). Then discard adjusting block (Fig. 1-R).
4. Remove and retain two (2) screws (Fig. 1-D). Then remove lateral adjusting block (Fig. 1-E). Remove and discard lateral adjusting screws (fig. 1-T).
5. Remove and retain two (2) Allen head cap screws and washers (fig. 1-H). Then remove lead edge clamp from base plate.
6. Remove four (4) screws (Fig. 1-J) and two (2) brackets (Fig. 1-K). Retain screws and spacers, discard brackets.
7. Remove and discard two (2) old links and rollers (fig. 1-A).
8. Remove and discard two (2) actuating links (Fig. 1-L).
9. Remove and discard screw (Fig. 1-N), release pawl, torsion spring, bracket and spacer (Fig. 1-M), and locking pawl (Fig. 1-B).
10. Remove and retain master hold down bracket (Fig. 1-S).
11. Remove and discard two (2) springs (Fig. 1-C). Remove two (2) spring pins (Fig. 1-F) and discard. Note: Remove pins by pressing down from the top.

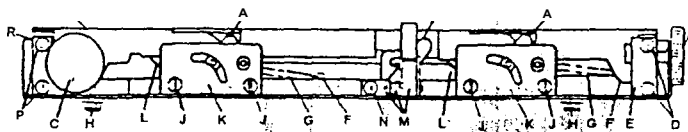


Fig. 1

12.-Remove and discard bar assembly (Fig. 2-A).

13. Remove and discard pins (Fig. 2-B).

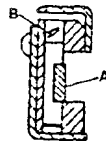


Fig.2

14. Lubricate and install new pins (Fig. 3-C).

15. Install new bar assembly (Fig. 3-B). Slide bar from left to right when aligning pins.
Note: Left end of bar has longer cutout.

16. Reinstall master hold down bracket (Fig. 3-A).

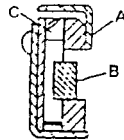


Fig. 3

17. Install two new actuating links (Fig. 4-s).

18. Install new style links (Fig. 4-A) with captured roller.

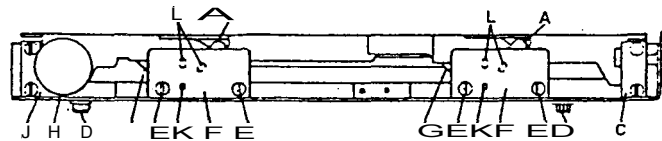


Fig. 4

19. Install two new clamp position retainers (Fig. 4-F). Make sure hole (Fig. 4-K) is positioned over pivot pin and dimples (Fig. 4-1) face outward. Then secure retainers with screws and spacers (Fig. 4-E) removed In step 6.

20. Close clamp without a plate, check clearance (Fig. 5-B). A 20 lb (80 gsm) sheet should move freely. If not replace Item 5-A bracket, master hold down.

21. Position clamp on base plate. Start new lateral adjusting screw (Fig. 4-B) In block (Fig. 4-C). Then position block in clamp and secure with two (2) screws removed from step 4. Start skew adj usting screw (Fig. 4-H) Into block (Fig. 4-J). Then position block in clamp and secure with two screws removed from step 3.

22. Apply Loctite® to screws (Fig. 4-D) removed In step 5. Install screws and washers, tighten fully then loosen 1/4 turn. Be sure lead edge assembly is free to move for lateral and skew adjustment.

23. Check clamp operation. Be sure clamp locks In open and closed position.

24. Install clamp in cylinder and secure with screws removed In step 2.

25. Clamp tool must be used for mounting and removing plates.

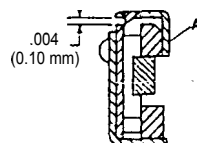


Fig. 5

26. Double check to make sure everything Is secured on master cylinder and replace covers. Make sure all personnel are cleat of machine. Plug machine In and remove tag from cord.

7. Check machine operation.

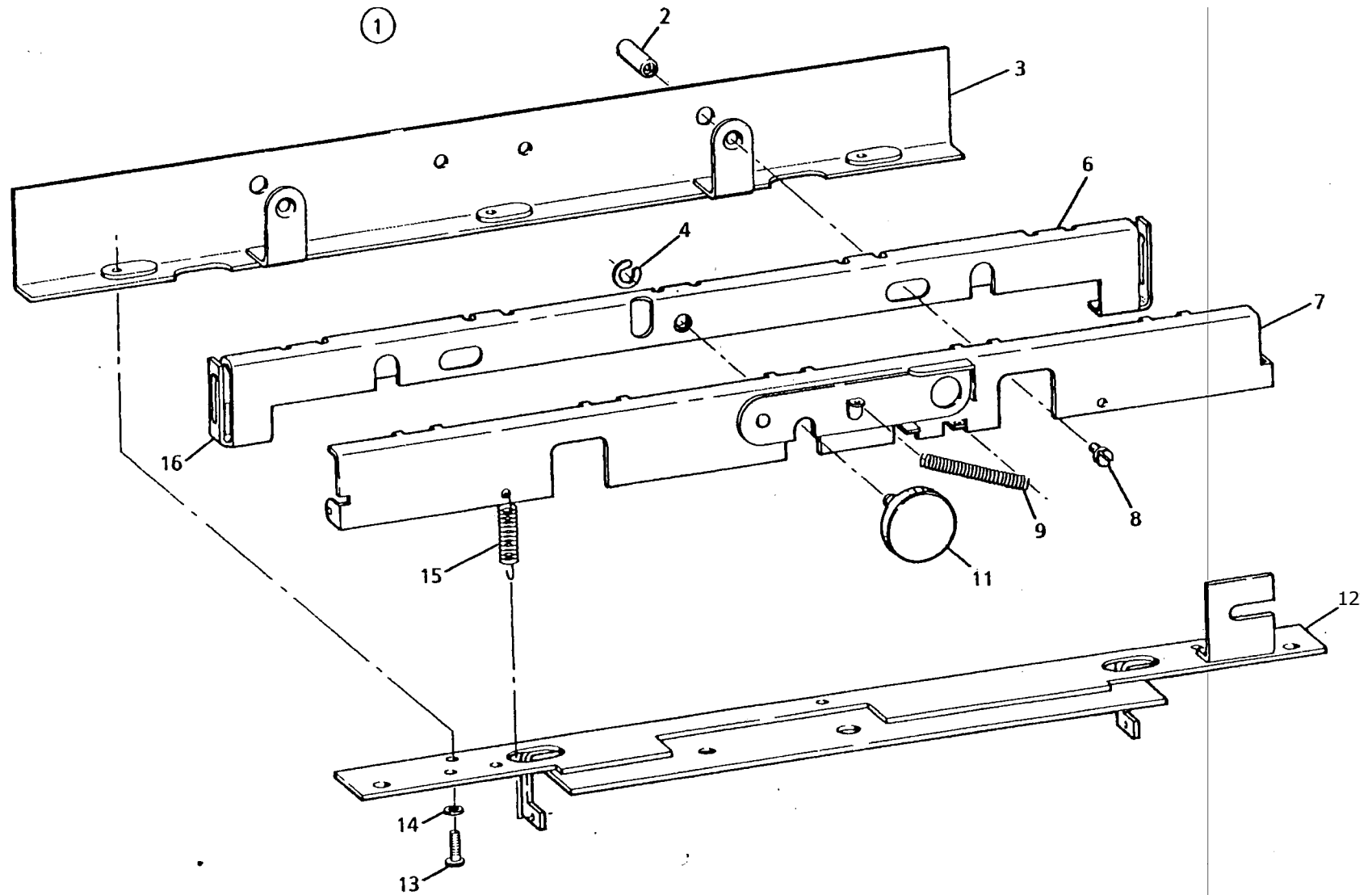
28. If all works well then you did an outstanding job!

GROUP 23 - Master Cylinder Lead Edge Clamp

KEY	PART NUMBER	DESCRIPTION	QTY	NT
	13-1-195463	CLAMP ASSY. COMP.	1	1
1	13-0-195464	CLAMP ASSY., LEAD EDGE	1	2
2	13-2-195454	BKT., MASTER HOLDDOWN	1	
3	13-1-195455	SCREW, THUMB	1	
4	48-406-362C	SCREW, FIL. HD 6-32X5/8	2	
5	48-438-204B	WASHER, SPLIT LOCK 16	2	
6	13-4-195452	BLOCK, END LEFT	1	
7	13-0-207921	BAR, ACTUATOR	1	
8	13-6-195450	HOUSING ASSY.	1	
9	13-2-195447	BASE ASSY.	1	
11	48-437-023B	WASHER, FLAT #8	1	
12	13-7-190633	SCREW, CAP SELF LOCKING	2	
13	13-4-195445	PIN, PIVOT	1	
14	13-0-195456	SCREW, THUMB	1	
15	48-437-023B	WASHER, FLAT	2	
16	48-422-274B	SCREW, RHM 8-32X1/2	1	
18	48-422-277B	SCREW, RUM 10-32X1/2	1	
21	13-2-195439	SPACER	2	
24	13-0-195472	SPACER	2	
25	13-4-207919	PIN	24	
26	13-5-195451	BLOCK, END RIGHT	1	
27	48-409-272C	SCREW, FL HD 6-32X1/2	2	
28	13-2-207853	LINK, ACTUATING	2	
31	13-3-208579	LINK ASSY.	2	
32	13-3-207852	RETAINER	2	
33	13-1-196180	TOOL ASSY., ACTUATING	1	
	880-3050	MAGNET	1	
34	13-5-195436	DOWEL PIN	2	
M999	NOTE 1:	13-0-196199 CLAMP ASSY KIT W/TOOL & MTG HDWARE		
	NOTE 2:	13-3-207993 CLAMP UPDATE KIT		

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Indicates Change

GROUP 24- Master Cylinder Trail Edge Clamp

GROUP 24- Master Cylinder Trail Edge Clamp

KEY	PART NUMBER	DESCRIPTION	QTY NT
1	13-3-186973	CLAMP ASSY. TRAIL EDGE	1
2	13-2-186966	GUIDE PIN	2
3	13-8-186952	SUPPORT ASSY.	1
4	30971' C-514y	RETAINING RING	1
6	13-3-186957	BAR, TRAIL EDGE	1
7	13-8-186960	PIN BAR ASSY. COMP.	1
8	48-409-152C	SCREW, 6-32X5/16	2
9	900-1609	SPRING, EXTENSION	1
11	13-3-186965	SCREW, THUMB	1
	976-1250	SCREW, SET 10-32X3/16	1
	120-9863	PIN	1
12	13-2-195462	PLATE ASSY. MTG.	1
13	48-419-192B	SCREW 6-32X3/8	3
14	48-438-2048	WASHER, SPLIT LOCK #6	3
15	13-2-186974	SPRING, EXTENSION	
16	13-5-186963	BRACKET, L.	1
	13-4-186964	BRACKET, R.	1
	48-419-152D	SCREW, 6-32X5/16	4
	48-438-204C	LOCKWASHER 1t6	4

This diagram is an exploded view of a mechanical assembly, likely a pump or motor component. It shows the following parts and their assembly sequence:

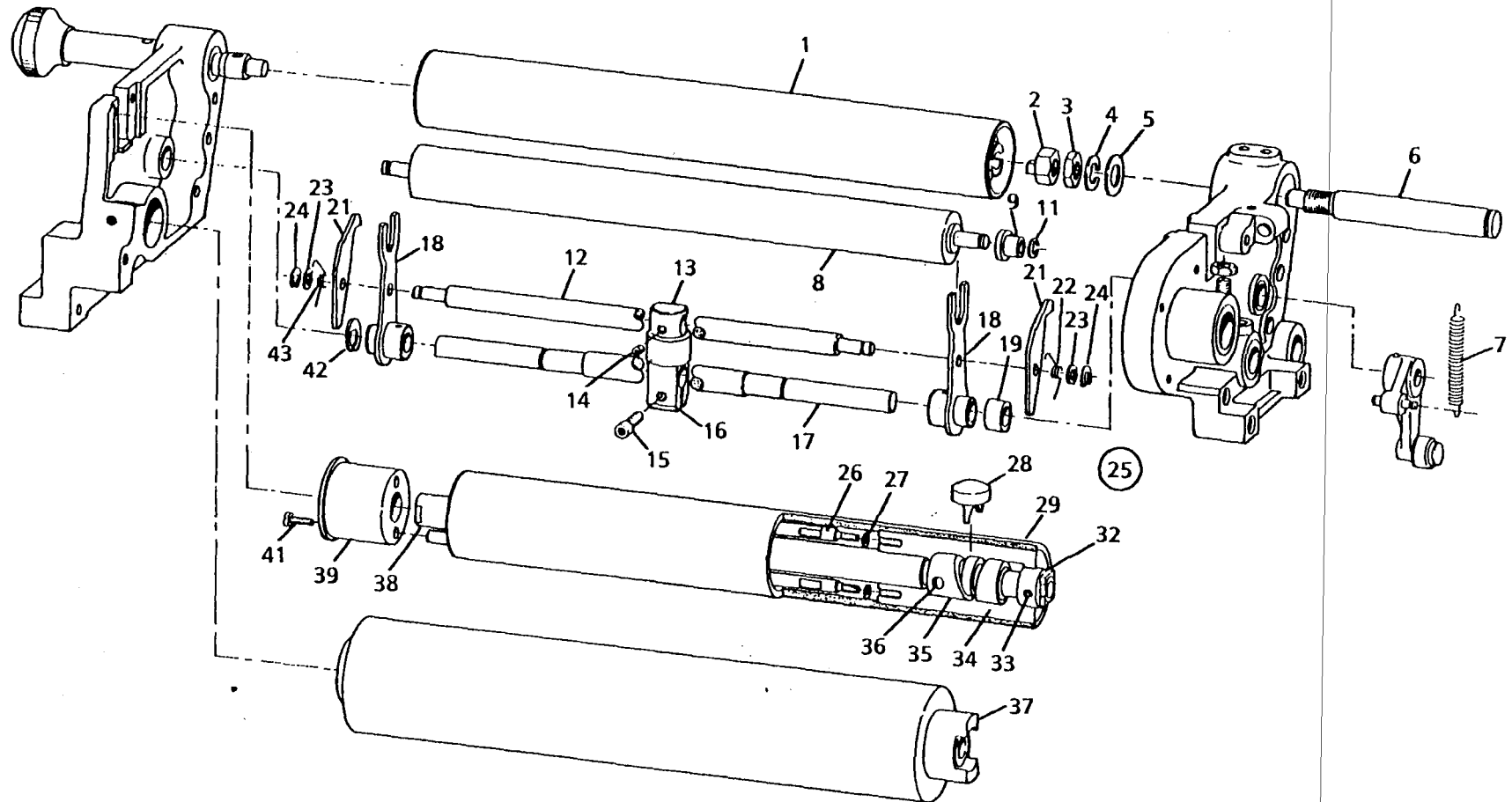
- Top Assembly:** A shaft (64) with a pulley (65) and a nut (66) is shown at the top.
- Main Body:** The central component is a main body (60) with a flange (61).
- Internal Components:** A central shaft (48) with a pulley (49) and a nut (50) is shown. A central shaft (41) with a pulley (42) is also shown.
- Assembly Sequence:** The parts are numbered 1 through 43, indicating the order of assembly. The sequence starts with the main body (60) and flange (61), followed by the central shaft (48) and pulley (49), and then the internal components (41, 42, 43).
- Other Components:** A large gear (19) with a shaft (21) and a nut (22) is shown. A large gear (15) with a shaft (13) and a nut (14) is also shown. A large gear (17) with a shaft (18) and a nut (19) is also shown.
- Mounting Brackets:** Two mounting brackets (28) are shown at the bottom, each with a shaft (27) and a nut (29).

GROUP 25 - Conventional Moisture System

KEY	PART NUMBER	DESCRIPTION	QTY	NT	KEY	PART NUMBER	DESCRIPTION	QTY	HT
	13-5-197556	MOISTURE UNIT ASSY.	1		38	13-1-188260	ARM ASSY. L.	1	
1	13-2-190125	BKT ASSY COMP. MOISTURE R	1		39	13-2-175563	SCREW	3	
2	120-1509-1	NUT 10-32	1		41	976-1250	SET SCREW 10-32X3/16	1	
3	120-1507-1	STUD	1		42	13-9-192447	SHAFT EXT., MOIST. FORM	1	
4	48-435-036C	NUT, HEX	1		43	13-6-172590	BKT. ASSY. L.	1	
5	13-0-174857	HUT	1		44	69-984	SCREW	1	
6	C1-5110	SPRING	1		45	13-0-188071	BUSHING	1	
7	120-1508-1	RETAINER	1		46	4-337	NUT	1	
8	120W-3663	WAS	1		47	4-731-A	RETAINING ASSY., BALL	1	
9	40-1512	SCREW	2		48	13-0-174865	PIN ASSY., BEARING	1	
11	120-3658	PLATE	1		49	13-2-162777	REPELEX L.	1	
12	120-3657	PLATE	1		50	13-3-174862	BUSHING	1	
13	48-403-157C	SCREW	1		51	13-1-166068	SPRING	1	
14	F2-1103	WASHER, PLAIN	1		52	13-5-174860	BUSHING	1	
15	13-2-191552	GEAR, MOISTURE CAM	1		53	91-22232	SCREW	1	
16	13-3-190116	BKT., REPELEX R.	1		54	13-4-174861	COLLAR	1	
17	120-3690	SCREW, 1/4-24X11/16	1		55	120-3657	PLATE	2	
18	4-312	NUT, HEX 1/4-24	1		56	40-1512	SCREW	2	
19	296W-1676-A	GEAR ASSY., REPELEX	1		57	120-36540	PIN	1	
20	13-5-190106	ARM ASSY.	1			40-1563	SET SCREW	1	
21	11-7-154187	DISC	1		58	13-8-186218	TIE BAR ASSY.	1	
22	11-8-351600	STUD ASSY.	1		59	190-4044	LATCH BALL BEARING	2	
23	48-406-3670	SCREW, FIL 10-32X ⁵ / ₈	1		60	13-0-186216	FOUNTAIN	1	
24	48-438-406A	WASHER, LOCK	1		61	13-5-199354	HOSE, 28"	1	
25	13-8-190103	BUSHING	1		62	13-4-196583	BRACKET WIPER KIT	1	
26	48-437-0258	WASHER	1		63	13-1-188054	CLIP, MOISTURE WIPER	6	
27	48-409-370C	SCREW	2		64	13-3-188052	WIPER, WIDE	2	
28	13-4-188259	ARM ASSY., R.	1		65	13-2-188053	WIPER, NARROW	4	
29	48-436-044C	NUT	1		66	13-4-188051	SHAFT, WIPER	1	
31	AXM-27	WASHER	1			13-5-196582	BRACKET, WIPER	1	
32	190-5054	WASHER	1			13-9-188049	SPRING, HOLDDOWN	2	
33	120-3467	ROLLER	1			48-438-206A	WASHER, LOCK 110	4	
34	120-3675	SCREW	1			48-411-157C	SCREW, HEX 10-32X5/16	2	
35	D3-5225	WASHER	4			3A-2603	WASHER, FLAT	2	
36	13-1-186215	TIE BAR	1			48-411-277C	SCREW, HEX 10-32X1/2	2	
37	13-6-191913	SHAFT ASSY.	1						

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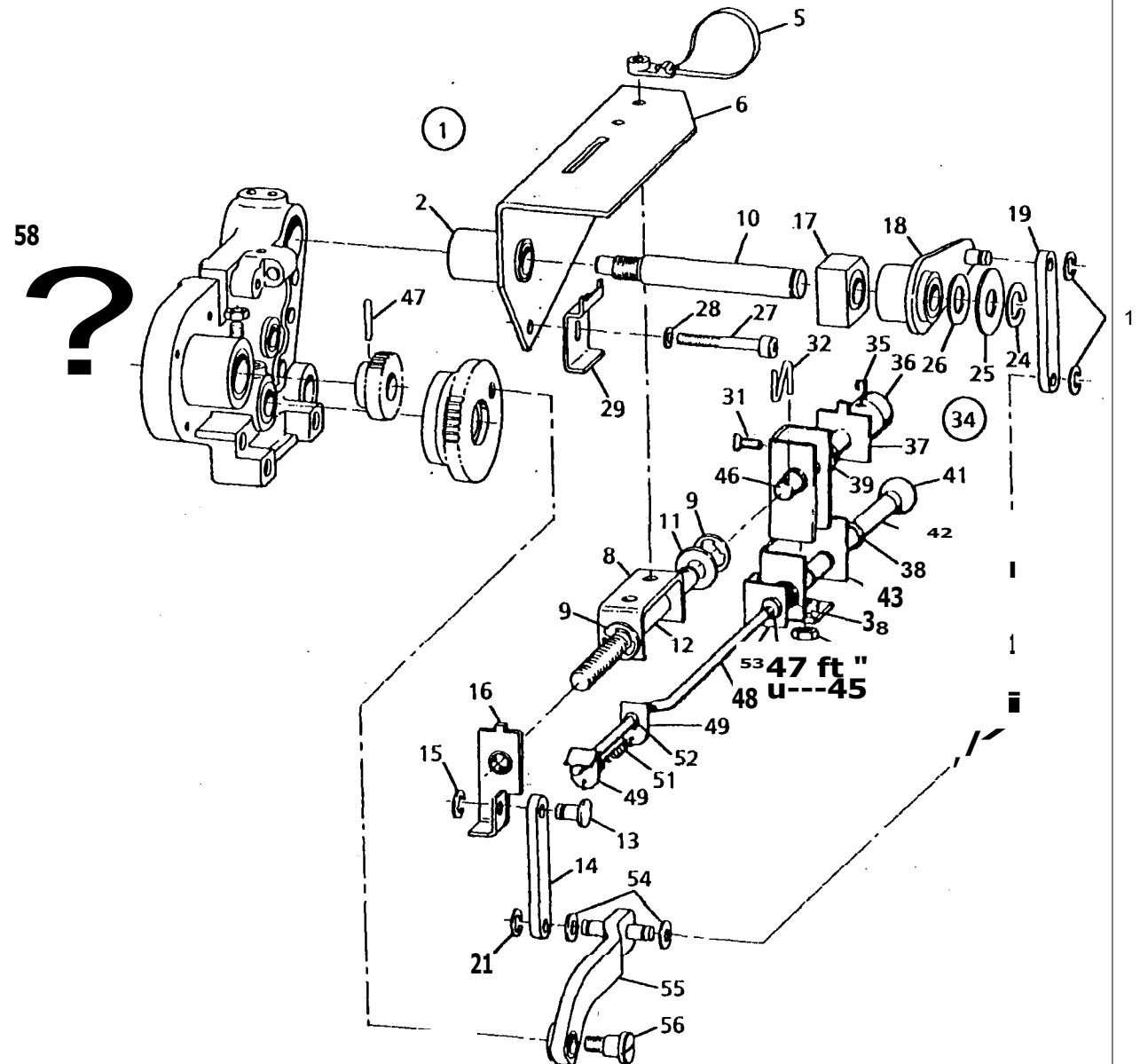
GROUP 26- Conventional Moisture System Rolls

GROUP 26- Conventional Moisture System Rolls

	KEY	PART NUMBER	DESCRIPTION	QTY	NT
	I	13-9-186233	ROLL, FOUNTAIN REPELEX	1	
	2	13-0-173065	DRIVE, FOUNTAIN ROLL	1	
	3	13-9-173066	NUT	1	
	4	40-1813	WASHER, C	1	
	5	501-111	WASHER, THRUST	1	
	6	13-8-174404	SHAFT, FIN. ROLL DRIVE	1	
	7	200-604	SPRING	1	
	8	13-1-187809	ROLL ASSY REPELEX/RED-1	1	1
	9	11-9-154904	BEARING	2	
	11	10-3002	RING, RETAINING	2	
	12	13-4-191907	BAR, EQUALIZING	1	
	13	13-8-191903	PIVOT HSG., EQUALIZING	1	
	14	50648	SET SCREW	1	
	15	48-434-0277	SCREW	1	
	16	13-3-191908	PIVOT, EQUALIZING	1	
	17	13-2-191909	SHAFT ASSY. DUCTOR	1	
	18	11-5-350829	ARM ASSY., DUCTOR	2	
	19	13-9-188072	COLLAR	1	
	21	11-6-154907	LATCH. DUCTOR ROLL	2	
	22	11-2-154901	SPRING	1	
	23	15-55	WASHER	1	
	24	1720-1031	WASHER, C	1	
	25	13-3-186239	ROLL ASSY., OSC. REPELEX	1	
	26	13-6-186236	ROD, BEARING RETAINER	2	
	27	190-9120	WASHER, LOCK	2	
	28	216-1505-1	DOG, CAM SCREW	1	
	29	13-2-186214	ROLL, OSCILLATOR	1	
	32	120-1512	COLLAR, OSC. ROLL	1	
	33	91-2419	SCREW. SET	1	
	34	13-7-174595	BEARING ASSY. R.	1	
	35	13-7-185104	SCREW, OSC. ROLL CAM	1	
	36	F2-3330	SCREW, CAM RETAINER	1	
M	37	83-8-105195	FORM ROLL ASSY SHRINK ON	1	1
		13-7-187803	ROLL ASSY 3M/RED-1	1	
	38	13-4-186238	SHAFT ASSY., OSC. ROLL	1	
	39	13-8-174412	BEARING ASSY. L.H.	1	
	41	13-6-174695	SCREW, PLATE	2	
	42	850-2014	WASHER, C	1	
	43	11-1-154902	SPRING	1	

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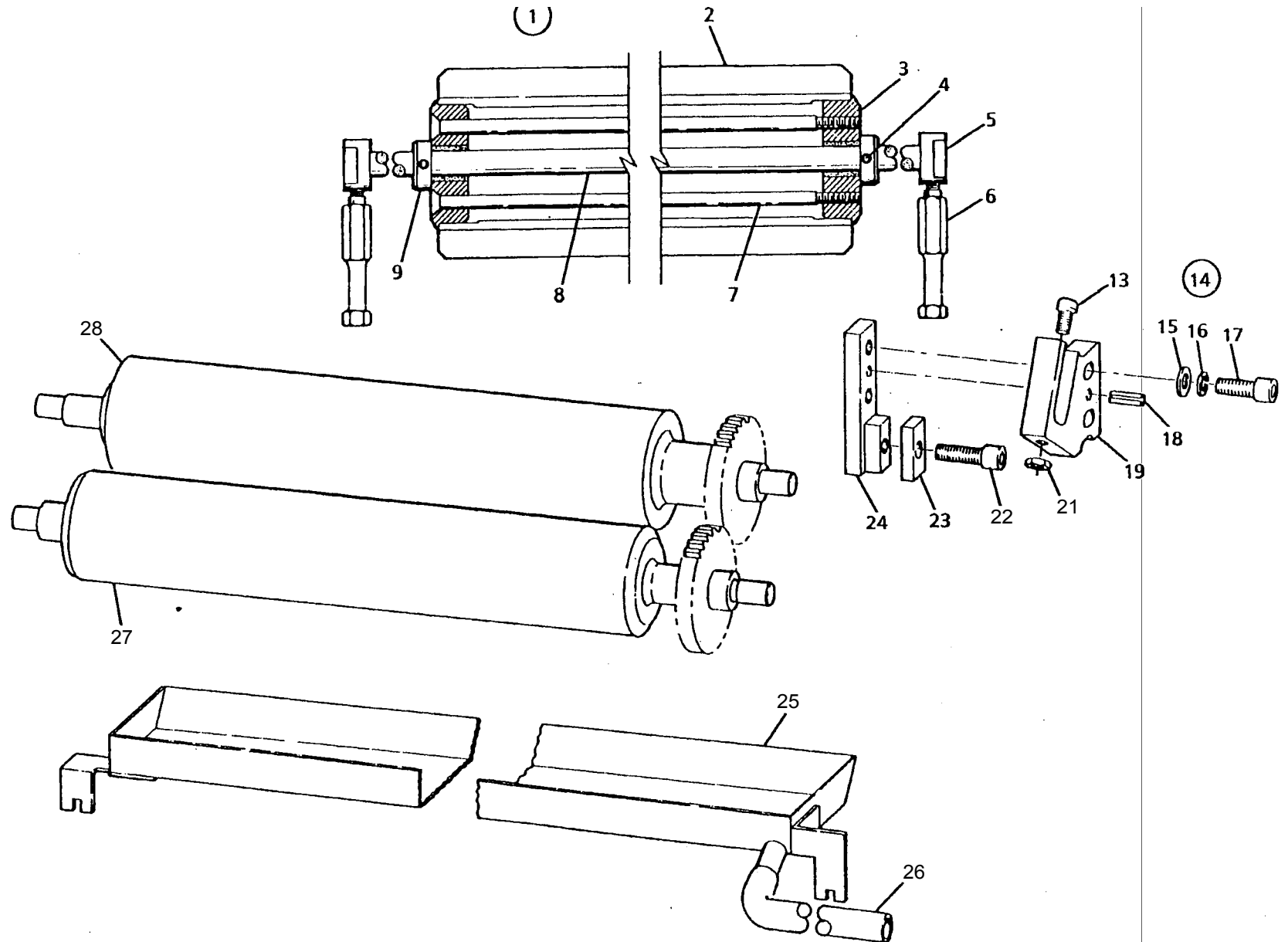
Indicates Change

GROUP 27 - Conventional Moisture System Right Side Plate

GROUP 27 - Conventional Moisture System Right Side Plate

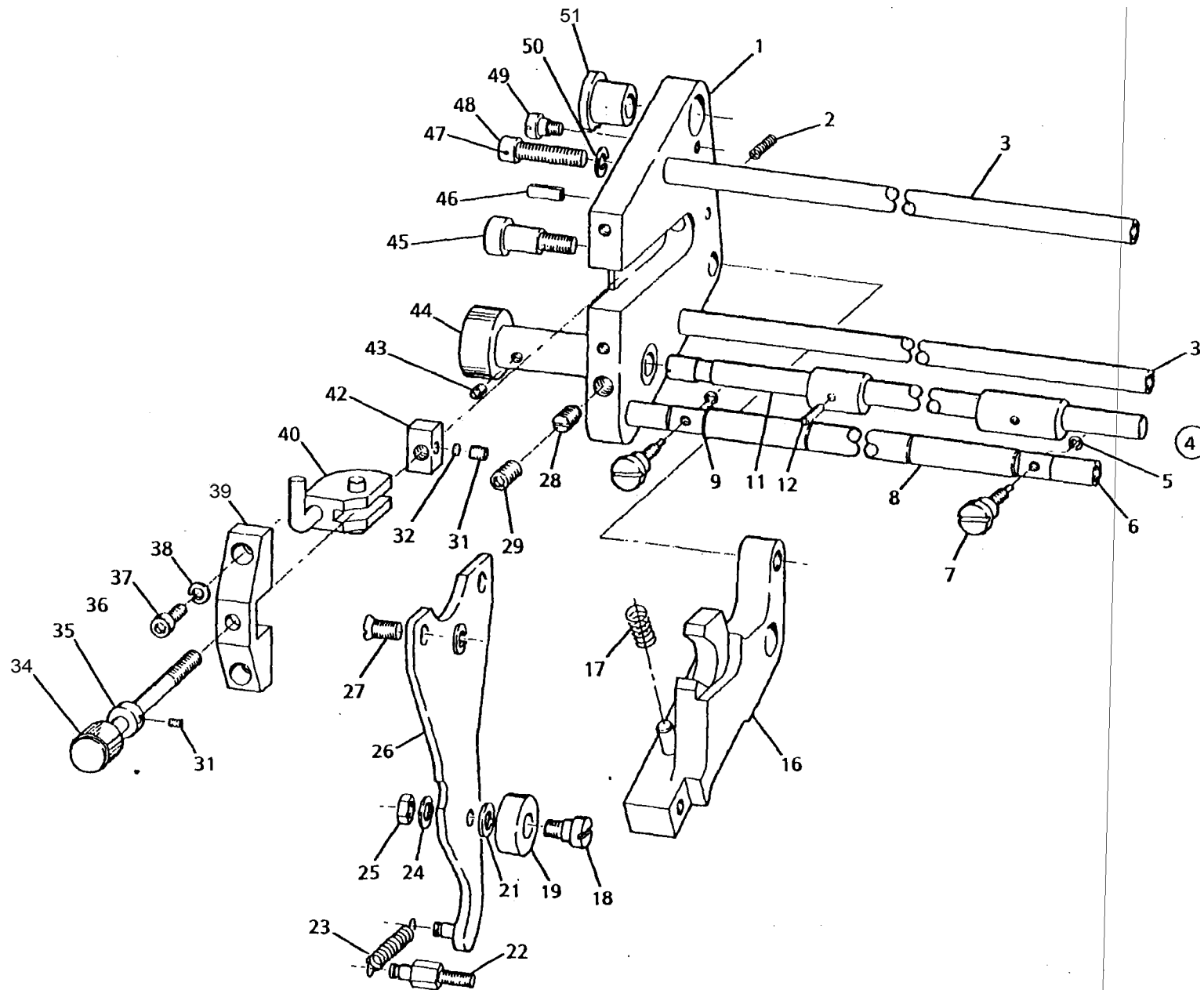
KEY	PART NUMBER	DESCRIPTION	QTY NT	KEY	PART NUMBER	DESCRIPTION	QTY NT
1	13-8-191556	PLATE ASSY. ADJUSTING	1	31	48-409-197C	SCREW, 10-32X3/8	2
		INCL. 2-9, 11-16		32	13-7-191441	COUPLING	1
Z	13-2-166075	BEARING	2	34	13-3-191445	MOISTURE ADJ. ASSY.	1
4	48-423-197E	SCREW, TR HD 10-32)(3/8	2	35	976-1250	SET SCREW 10-32	1
5	13-8-180765	STRAP, CABLE	1	36	13-6-187564	KNOB, ADJ. SCREW	1
6	13-4-166057	PLATE ASSY.	1	37	13-6-191442	INDICATOR	1
	13-4-190222	LABEL, SCALE	1	38	850-2014	RETAINING RING, C	2
8	13-9-191449	BKT., ADJ. SCREW	1	39	23093	SPRING WASHER	1
9	850-2014	WASHER. C	2	41	13-9-188650	KNOB, BALL	1
10	13-8-174404	SHAFT. FIN ROLL DRIVE	1	42	13-1-191447	ROD	1
11	23093	WASHER. SPRING	1	43	13-2-191446	BRACKET. SUPPORT	1
12	13-2-191438	ROD, ADJUSTING	1	44	48-436-045D	HUT, JAM 1/4-20	1
13	13-1-191439	PIN	1	45	13-4-191444	PLUNGER, SPRING	1
14	13-9-166029	LINK, PIVOT	1	46	13-8-191440	SCREW, ADJ.	1
15	1937-3734	RING, RETAINING	1		850-2014	RING. RET.	1
16	13-5-191450	BRACKET, INDICATOR	1	47	48-438-206R	WASHER	1
17	13-6-181773	CLUTCH ASSY., BACKSTOP	1	48	13-0-191448	LINK	1
18	13-9-166052	CLUTCH ASSY.	1	49	13-4-189471	BRACKET, SPRING	
19	13-9-166029	LINK	1	51	13-4-189489	SPRING	2
21	1937-3734	WASHER, C	3	52	13-1-189490	GRIP RING	2
24	170-1320	RING, RETAINING	1	53	13-8-189477	BRACKET	1
25	2750-3626	WASHER	AR	54	ARM-758	WASHER	2
26	120-7031	WASHER	1	55	13-2-166034	LINK ASSY.	1
27	48-433-607F	SCREW	1	56	200-936	SCREW, 1/4-24X11/32	1
28	F2-33242	WASHER	1	57	13-6-181781	SHAFT	1
29	13-7-174405	PLATE, STOP	1	58	14-182	PIN	2

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GROUP 28- MC Moisture System Rolls

GROUP 28 - MC Moisture System Rolls

KEY	PART NUMBER	DESCRIPTION	QTY NT
1	13-7-195970	ROLL ASSY.,, COMP (2-9)	1
2	13-0-195969	ROLLER	1
3	13-2-178708	BEARING ASSY. L.	1
	13-3-195966	BEARING ASSY. R.	1
4	50603	SET SCREW, 10-32x1/4	2
5	13-4-191758	COLLAR	2
6	13-2-195504	POST, LOCK. OSCILLATOR	2
7	13-6-193711	SCREW, FHM 1/4-20x13 7/16	2
8	13-3-191767	SHAFT	1
9	120-2709	COLLAR	2
13	48-434-0407	SCREW, CAP 10-32x3/4	1
14	13-3-192138	BRACKET, SUPPORT ASSY. L.	1
	13-2-192139	BRACKET, SUPPORT ASSY. R.	1
		INCL. 15-19, 24	
15	48-437-032D	WASHER, 11/4	2
16	48-438-2088	WASHER, #1/4	2
17	48-411-410C	SCREW, 1/4-20x3/4	2
18	13-5-144228	PIN, ROLL 3/16-1/2	1
19	13-4-191766	SUPPORT, OSC.	1
21	48-435-0368	NUT 10-32	1
22	48-426-370C	SCREW, CAP L.	1
	48-434-0490	SCREW, CAP R.	1
23	13-1-191769	WASHER	1
24	13-5-191757	BRACKET, SUPPORT	1
25	13-8-193610	PAN ASSY., MOISTURE	1
26	13-5-199354	HOSE, .31X.50X28	1
27	13-9-193411	ROLL ASSY., FOUNTAIN	1
	14-3022-87	WASHER	3
28	13-0-194723	ROLL ASSY CHROME METERING	1
	14-3022-87	WASHER	3

GROUP 29- MC Moisture System, Left

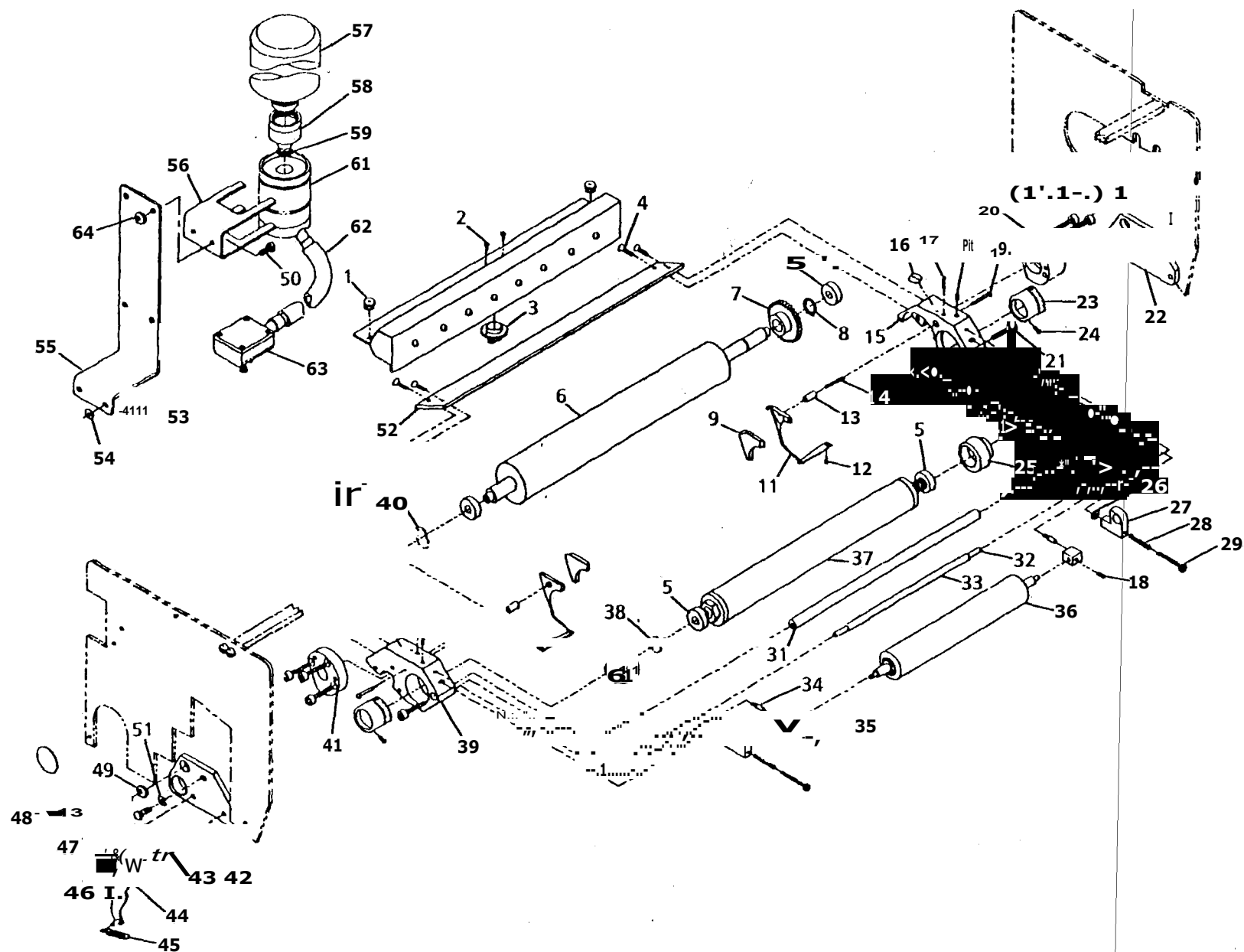
GROUP 29 - MC Moisture System, Left

KEY	PART NUMBER	DESCRIPTION	QTY NT
	13-5-194082	DAMPENER ASSY.	1
1	13-8-191747	SIDE FRAME, L.	1
2	13-4-192038	SPRING, COMPRESSION	1
3	13-1-191728	TIE BAR	2
4	13-1-193609	TIE BAR ASSY. 5 - 9	1
5	A91-6083	RING, RETAINING	2
6	13-2-193608	BAR, TIE	1
7	13-0-194491	SCREW, MOISTURE PAN	2
8	185-3713	COLLAR	9
9	310-2105	O RING	2
11	13-0-191737	SHAFT ASSY., ECCENTRIC	1
12	308624	PIN, ROLL $\frac{1}{8} \times 1\frac{1}{2}$	2
16	13-1-193492	ARM ASSY CAM FOLLOWER L.	1
17	13-3-193490	SPRING	1
18	120-3675	SCREW	1
19	120-3467	ROLLER	1
21	190-5054	WASHER	1
22	13-2-191768	STAND OFF, SPRING	1
23	13-3-192062	SPRING	1
24	AXM-27	WASHER	1
25	48-436-044C	NUT	1
26	13-9-194419	ARM ASSY. L.	1
27	48-409-370C	SCREW $\frac{1}{4} \times 20 \times 1\frac{1}{2}$	2
28	13-2-191370	SPRING PLUNGER	1
29	11-2230	SET SCREW	1
31	91-2108	SET SCREW	4
32	80-1209	PLUG, PLASTIC	2
34	13-3-187245	KNOB	2
15	190-5342	COLLAR	2
36	13-9-191738	SCREW, METERING ROLL ADJ.	2
37	48-434-0367	SCREW, CAP $10 \times 32 \times \frac{5}{8}$	4
38	48-438-206C	WASHER, LOCK	4
39	13-5-191740	SUPPORT, NIGHT LATCH	2
40	13-4-191741	CAM ASSY, NIGHT LATCH L.	1
40	13-6-193364	CAM ASSY, NIGHT LATCH R.	1
42	13-8-191739	NUT, METERING ROLL ADJ.	1
43	976-1250	SET SCREW $10 \times 32 \times \frac{3}{16}$	1
44	13-8-193495	KNOB ASSY.	1
45	13-8-192042	SHOULDER SCREW $\frac{3}{8} \times 1\frac{1}{2}$	1
46	13-5-144228	ROLL PIN	2
47	13-9-192041	SAFETY WIRE	1
48	13-4-191774	SCREW, CAP $\frac{1}{4} \times 20 \times 1$	3
49	13-3-191775	SCREW, SHOULDER	1
50	48-438-208C	WASHER, LOCK $\frac{1}{4}$	6
51	13-5-191732	BEARING	1

This technical drawing is an exploded view of a mechanical assembly, likely a motor or actuator. The components are numbered 1 through 28. The main assembly consists of a cylindrical motor body (3) connected to a central shaft (4). A large, curved bracket (1) is mounted to the motor body. A central housing (28) is shown in an exploded position, revealing internal components including a gear (7) and a pinion (8). Various screws (2, 5, 9, 11, 12, 13, 16, 22, 26, 27) and washers (6, 10) are shown in their respective assembly positions. A cable with a multi-pin connector is attached to the motor body. The diagram uses dashed lines to indicate the assembly path and alignment of the parts.

GROUP 30 - MC Moisture System, Right

KEY	PART NUMBER	DESCRIPTION	QTY	NT
1	13-8-191754	GUARD. GEAR L.	1	
2	48-417-197C	SCREW, 10-32X3/8	2	
3	13-9-194377	MOTOR, DC 50/60 HZ	1	1
	492-00012	BRUSH ASSY.	2	
	574-00001	SPRING ASSY.	2	
	531-00003	REAR BEARING	1	
	531-12247	FRONT BEARING	1	
4	48-438-208C	WASHER, LOCK 1/4	2	
5	48-426-370C	SCREW 1/4-20X ⁵ / ₈	1	
6	13-8-192042	SCREW, SHOULDER SOC.	2	
7	13-1-191736	ECC. ADJ. MOIS:URE UNIT	1	
8	13-6-192044	GRIP RING	1	
9	48-434-0490	SCREW, 1/4-20X1	2	
11	XM-874	SET SCREW 10-32	2	
12	120-3603	SCREW	1	
13	48-409-370C	SCREW	2	
14	13-5-194421	ARM ASSY. R.	1	
15	13-2-193491	ARM ASSY CAM FOLLOWER R.	1	
16	13-3-193490	SPRING	1	
17	13-4-193259	BLOCK ASSY, METERING ROLL	2	
18	13-6-191756	GEAR, MOTOR	1	
19	190-6206	SCREW CUP PT 8-32X ³ / ₁₆	1	
21	13-1-191777	STANDOFF	2	
22	48-417-194C	SCREW, PAN HD 8-32	2	
23	13-7-191755	GUARD, GEAR R.H.	1	
24	13-2-192147	BEARING	1	
25	48-434-0367	SCREW. 10-32X5/8	3	
26	48-409-2778	SCREW, 10-32X1/2	1	
27	48-438-206C	LOCKWASHER V10	3	
28	13-1-193260	SIDE FRAME ASSY. R.H.	1	
999	13-3-196154	MOTOR CABLE	1	
	NOTE 1:	BRUSHES LOCATED AT MOTOR FRONT. SHAFT PROTRUDES FROM HSG. AT MOTOR REAR.		

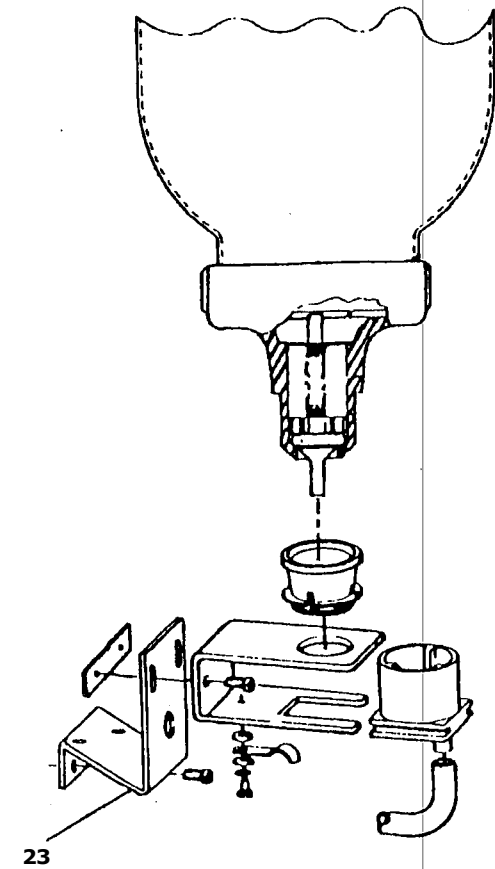
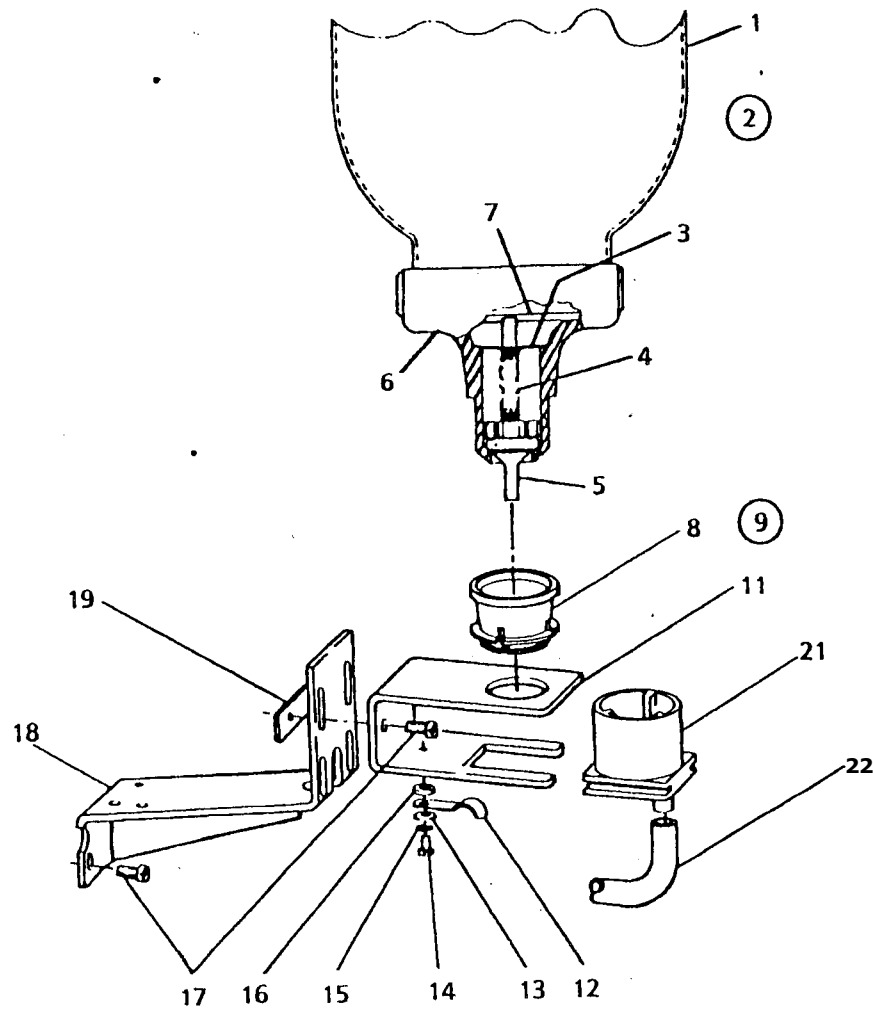
GROUP 30A - Kompac Moisture System

GROUP 30A - Kompac Moisture System

KEY	PART NUMBER	DESCRIPTION	QTY NT	KEY	PART NUMBER	DESCRIPTION	QTY NT
	13-5-208932	MOISTURE UNIT, KOMPAC	1	34	94343	POST, OSCILLATOR	
1	92691	NUT	2	35	94326	BLOCK, ALIGNMENT	2
2	91806	SCREW, PHIL PAN 6-32X ³ / ₈	2	36	91306	OSC. ROLL ASSY.	1
3	92604	NOZZLE	1	37	92460	METERING ROLL 14/BROS.	1
4	91826	SCREW, FLAT HD 10-24	4	38	92491	WASHER, WAVE	1
5	92401	BEARING	4	39	94661	END FRAME, L.	1
* 6	94760	FORM ROLL W/BRGS. 1 PIECE	1	40	93669	SPRING	2
	92470	FORM ROLL, STANDARD	1	41	94663	CAP, END FRAME L.	1
7	92910	GEAR CLUTCH ASSY (GREEN)	1	42	13-6-208709	BRACKET, MTG. L.	1
8	94396	WASHER, THRUST	1	43	108-473	WASHER	2
9	92370	SEAL SET (L. & R. SEALS)	1	44	13-1-188260	ARM ASSY. L.	1
10	92290	BACKING PLATE ASSY. KIT			13-4-188259	ARM ASSY. R.	1
		INCL. 11-14, 19		45	13-3-179267	SPRING	1
11	92380	SEAL BACKING PLATE KIT	1	46	48-411-410C	SCREW, 1/4-20X3/4	2
12	91802	SCREW, FLAT 3-48X1/4	2	47	48-409-370C	SCREW, 1/4-20X5/8	2
13	92304	GUIDE PIN	2	48	94409	COVER, HOLE	2
14	92238	SPRING, COMP.	2	49	13-4-208701	BRACKET, ECC.	2
15	94662	END FRAME R.	1	50	91819	SCREW, BUTT. 10-24	2
16	92601	INWARD NIP SYMBOL	2	51	13-9-199905	WASHER, 112	2
17	91814	STUD, 10-24X3/4	2	52	94667	SUPPORT PLATE ASSY.	1
18	91811	SCREW, SET 10-24X1/4	4	53	48-425-197C	SCREW, TRUSS 10-32X ³ / ₈	2
19	92303	SCREW, SHOULDER	2	54	48-438-2068	WASHER, LOCK 110	2
20	94664	CAP, END FRAME R.	1	55	13-8-208830	BRACKET, BOTTLE	1
21	91865	SCREW, SOC 1/4-20	8	56	13-6-199908	BRACKET, UNIVERSAL BOTTLE	1
22	13-1-208936	BRACKET, MTG. R.	1	57	13-3-208934	BOTTLE, CALIBRATED	1
23	92612	GAUGE, METERING	2	58	92760	VALVE ASSY., DISPENSING	1
24	91888	SCREW, SET 5M X 5MM	2	59	13-2-208935	O-RING	1
25	92291	ECCENTRIC	2	61	13-7-199907	VALVE ASSY., BOTTLE	1
26	91970	NUT, 1/4-28	2	62	13-1-208704	HOSE, .50X.75X15.0	1
27	94342	SPRING HSG.	2	63	13-5-199909	ADAPTER, BASE ASSY.	1
28	94347	SPRING	2	64	91968	LOCKNUT, 10-24	2
29	91877	SCREW, SOC 1/4-28X1 1/4	2	999	92778	SYRINGE, 1 OZ.	1
31	94666	TIE BAR	1		90755	T-WRENCH, 3/32	1
32	94657	ROD, SAFETY	1		94408	STICKER, RECTANGULAR	2
33	94656	TUBE, TEFLON	1		93555	WRENCH, KOMPAC	2

**

Indicates Change

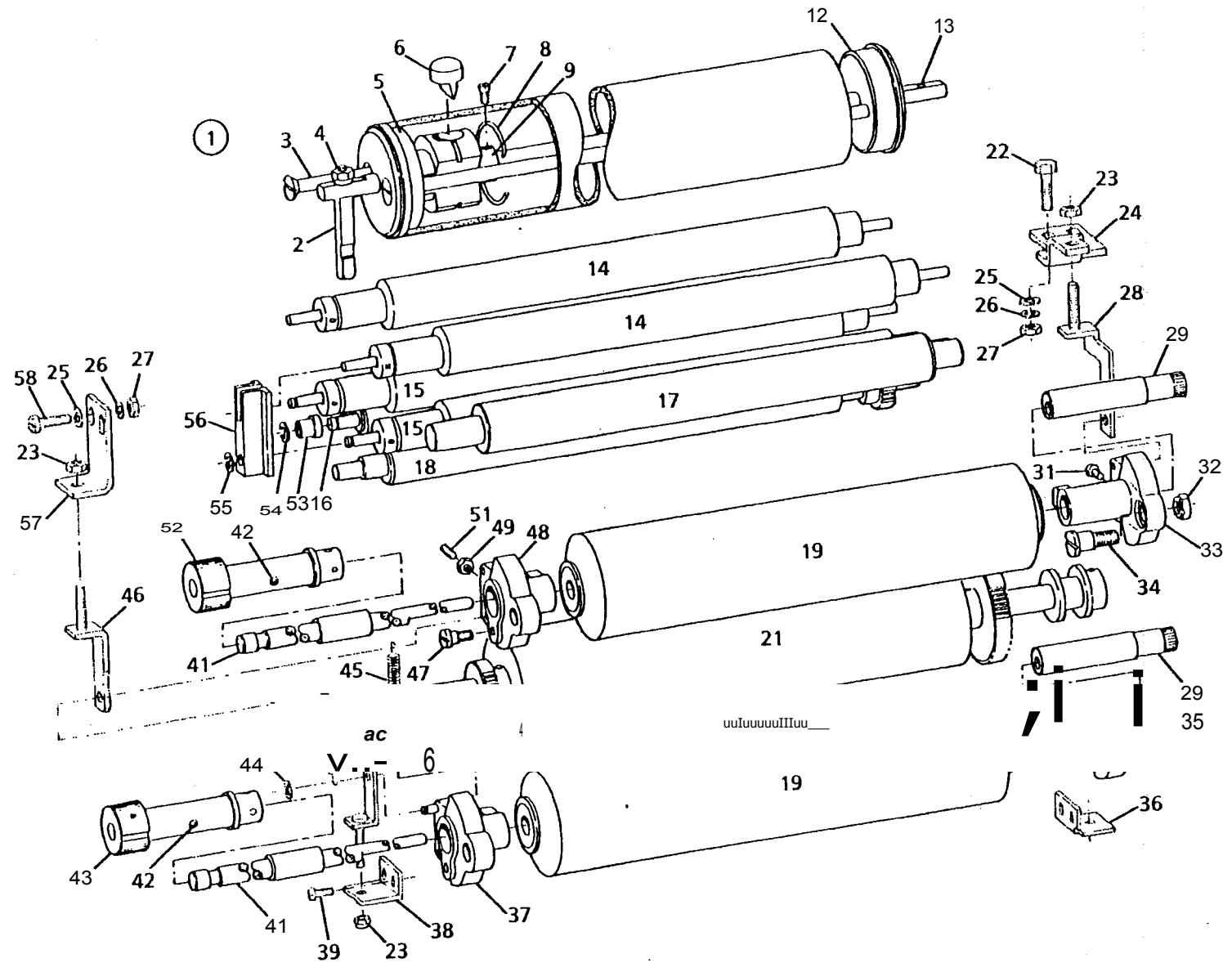
GROUP 31 - Moisture Bottle/Bracket Assembly

GROUP 31 - Moisture Bottle/Bracket Assembly

KEY	PART NUMBER	DESCRIPTION	QTY NT
1	13-2-206848	BOTTLE	1
2	120-3697-A	CAP ASSY INCL. 3-5	1
3	120-36970	GUIDE VALVE STEM	1
4	120-9783	SPRING	1
5	13-6-199437	PLUNGER	1
	13-5-199438	O-RING	1
6	120-3697	CAP	1
7	13-9-202915	CAP	1
8	13-6-173150	BOTTLE NEST	1
9	13-1-187569	BKT. ASSY. RECEPTACLE INCL. 11-16	1
11	13-3-187518	BKT., RECEPTACLE	1
12	13-1-173106	SPRING	1
13	48-437-0210	WASHER, PLAIN	1
14	48-433-272D	SCREW	1
15	48-438-204R	LOCKWASHER	1
16	11-4-150915	SPACER	1
17	660-1234	SCREW	4
18	13-6-191293	BRACKET, MC MODEL	1
19	18103	NUT BAR	1
21	120-3693	RESERVOIR	1
22	13-5-199354	HOSE, 25" .31 ID .50 OD	1
23	13-4-187517	BRACKET ASSY.	1

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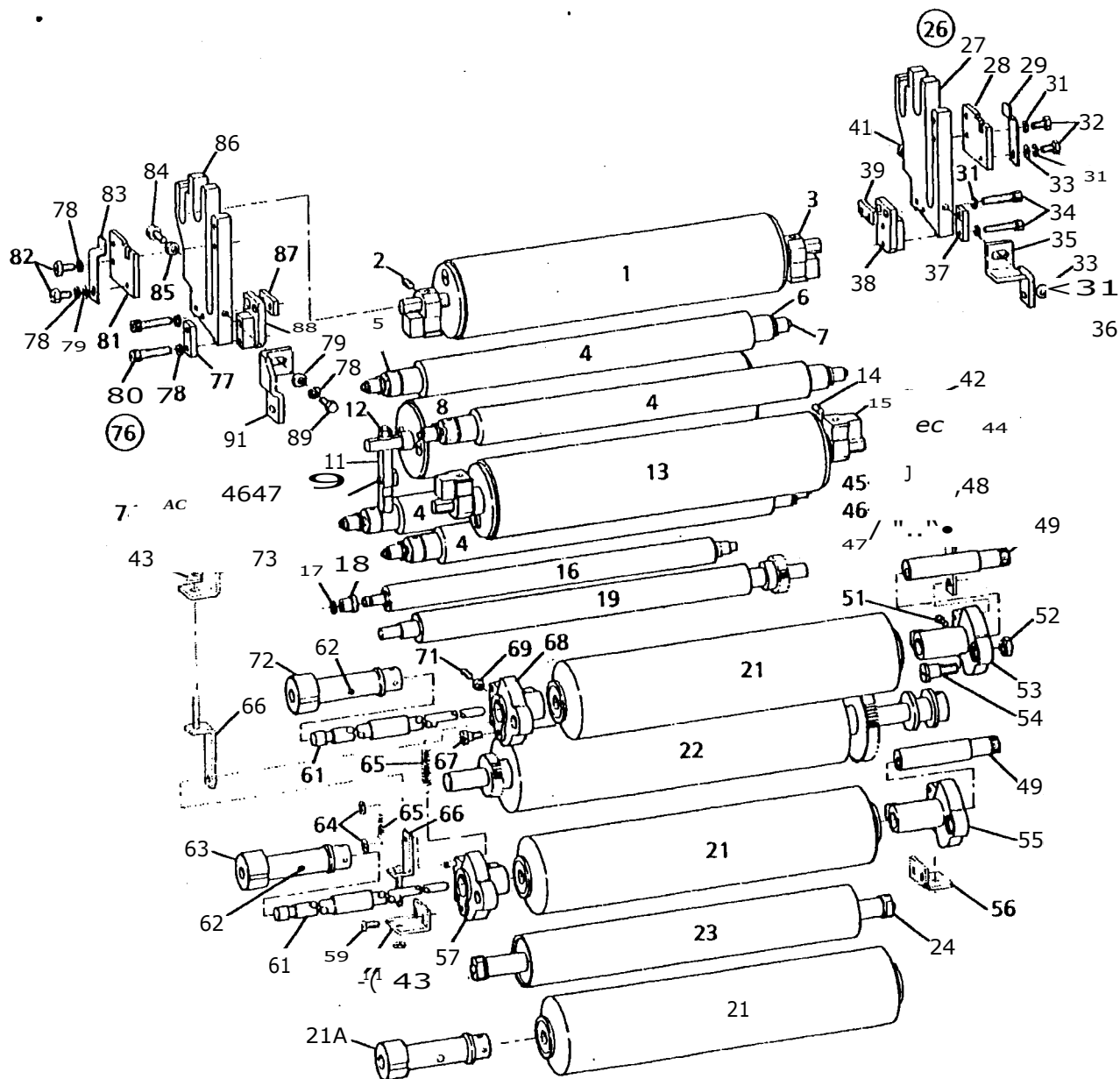
GROUP 32 - Ink Roll System, Basic



GROUP 32 - Ink Roll System, Basic

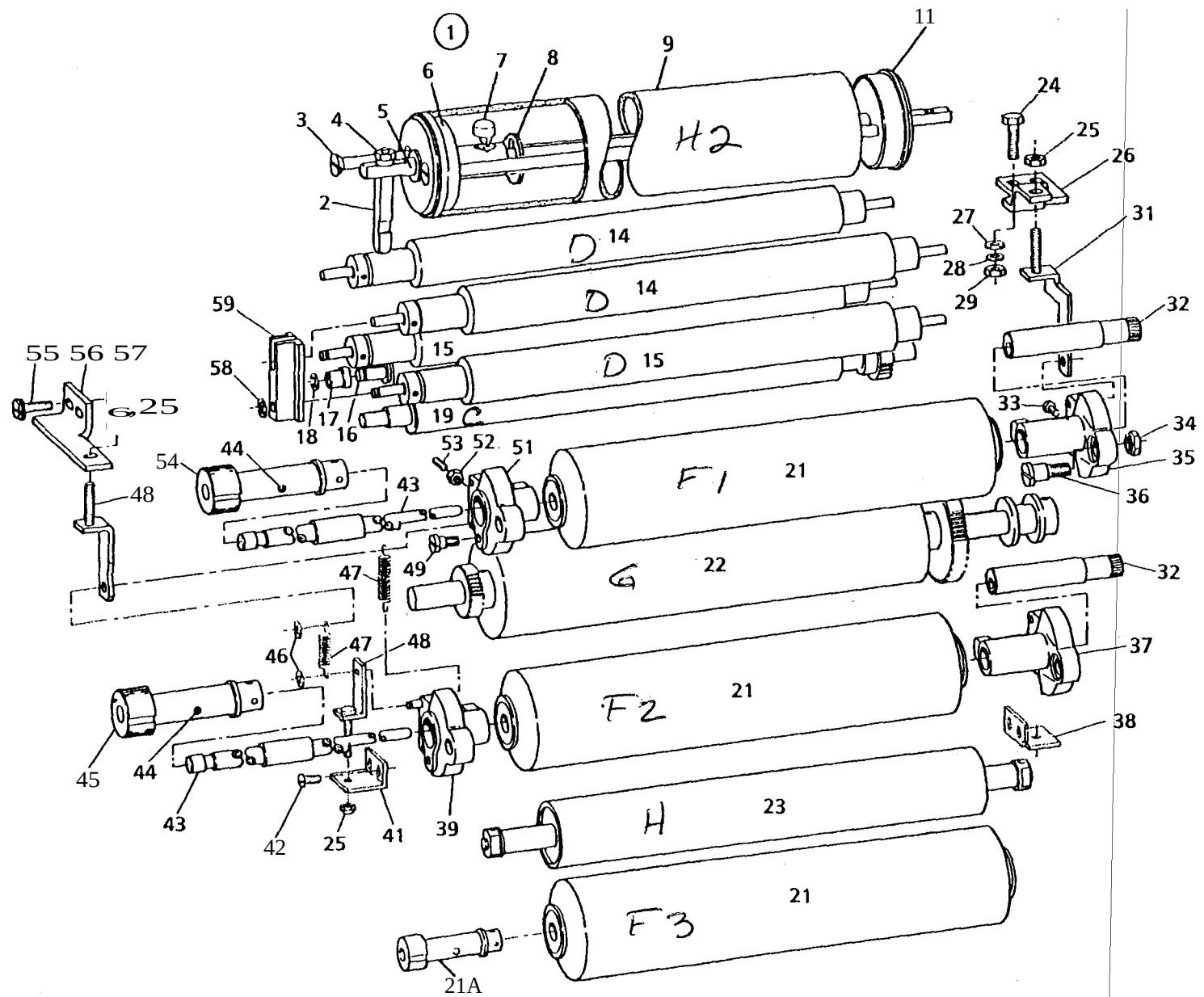
KEY	PART NUMBER	DESCRIPTION	QTY NT		KEY	PART NUMBER	DESCRIPTION	QTY NT	
1	13-9-192140	ROLL ASSY. COMP. 0/5			31	27-1852	PIN, PLASTIC	1	
		SEE GP 34 KEY 1 FOR NIS			32	190-102	NUT	1	
2	2650-10502	PIN, GUIDE	2	1	33	13-6 -196 086	BKT., FORM ROLL RIGHT	1	
3	13-8-186341	SCREW	2	1	34	120-3469	PIN, PIVOT	1	
4	69-1240	WASHER	2	1	35	185-3497-A	BKT., LOWER FORM ROLL R.	1	
	91-2152	NUT	2	1	36	13-4-188242	BKT., SUPPORT RIGHT	1	2
5	13-1-207664	BEARING	1	1	37	13-5-188258	UT.. LOWER FORM ROLL L.		
6	120-2202-1	DOG, CAM SCREW	1	1	38	13-5-188241	BKT., SUPPORT L.	1	2
7	F2-3330	SCREW	1	1	39	48-425-197C	SCREW, 10-32X3/8	2	2
8	120-2203	SPRING	1	1	41	13-3-196675	SHAFT ASSY W/EXT	1	
9	750-345.R	CAM SCREW		1		13-7-196671	EXTENSION ONLY	1	
12	13-2-178708	BEARING	1	1	42	976-1250	SET SCREW	2	
13	13-0-186349	SHAFT	1	1	43	13-4-196674	KNOB ASSY., LOWER FORM	1	
14	13-6-193414	ROLL ASSY., DISTRIBUTOR	2		44	170-1331	WASHER, C	2	2
	3A-55880	COLLAR	1		45	120-3463	SPRING	2	
	63434	SET SCREW	1		46	13-6-188240	ARM ASSY.	3	2
15	13-8-192141	ROLL ASSY., DISTRIBUTOR	2		47	69-984	SCREW	1	
16	13-2-187808	ROLL ASSY., DUCTOR	1		48	13-5-196087	BKT., ASSY. FORM LEFT	1	
17	13-9-186340	ROLL ASSY., TRANSFER	1		49	4-337	JAM NUT	2	
18	13-7-199469	ROLL ASSY., 151 01ST.	1		51	4-731-A	RETAINER ASSY.		
19	13-3-193409	ROLL ASSY., FORM	2		52	13-5-196673	KNOB ASSY., UPPER FORM	1	
21	13-2-199548	KIT, VIBRATOR ROLL	1		53	11-9-154904	BUSHING $\frac{3}{8}$ "	2	
22	48-411-3670	SCREW	1	2		13-6-198652	BUSHING $\frac{1}{2}$ "	1	
23	91-2152	NUT, ELASTIC STOP	1	2	54	10-3002	WASHER, C	2	
24	13-6-191632	BKT. SUPPORT UPPER RIGHT	1	2	55	700-8006	WASHER, RETAINER	4	
25	48-437-0260	WASHER	1	2	56	13-6-168069	BUSHING	4	
26	48-438-2068	WASHER, LOCK	1	2	57	13-5-191633	BRACKET, SUPPORT	1	2
27	48-435-0368	NUT, HEX	1	2	58	48-406-3670	SCREW, FIL HD	2	2
28	13-7-191631	ARM ASSY.	1	2	999	NOTE 1:	OLD PARTS ARE STILL AVAIL		
29	13-7-186359	BEARING, SHAFT ECC.	2			NOTE 2:	INDICATES OLD STYLE		
31	48-411-3670	SCREW	1						

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GROUP 33 - Ink Roll System, XE

GROUP 33 - Ink Roll System, XE

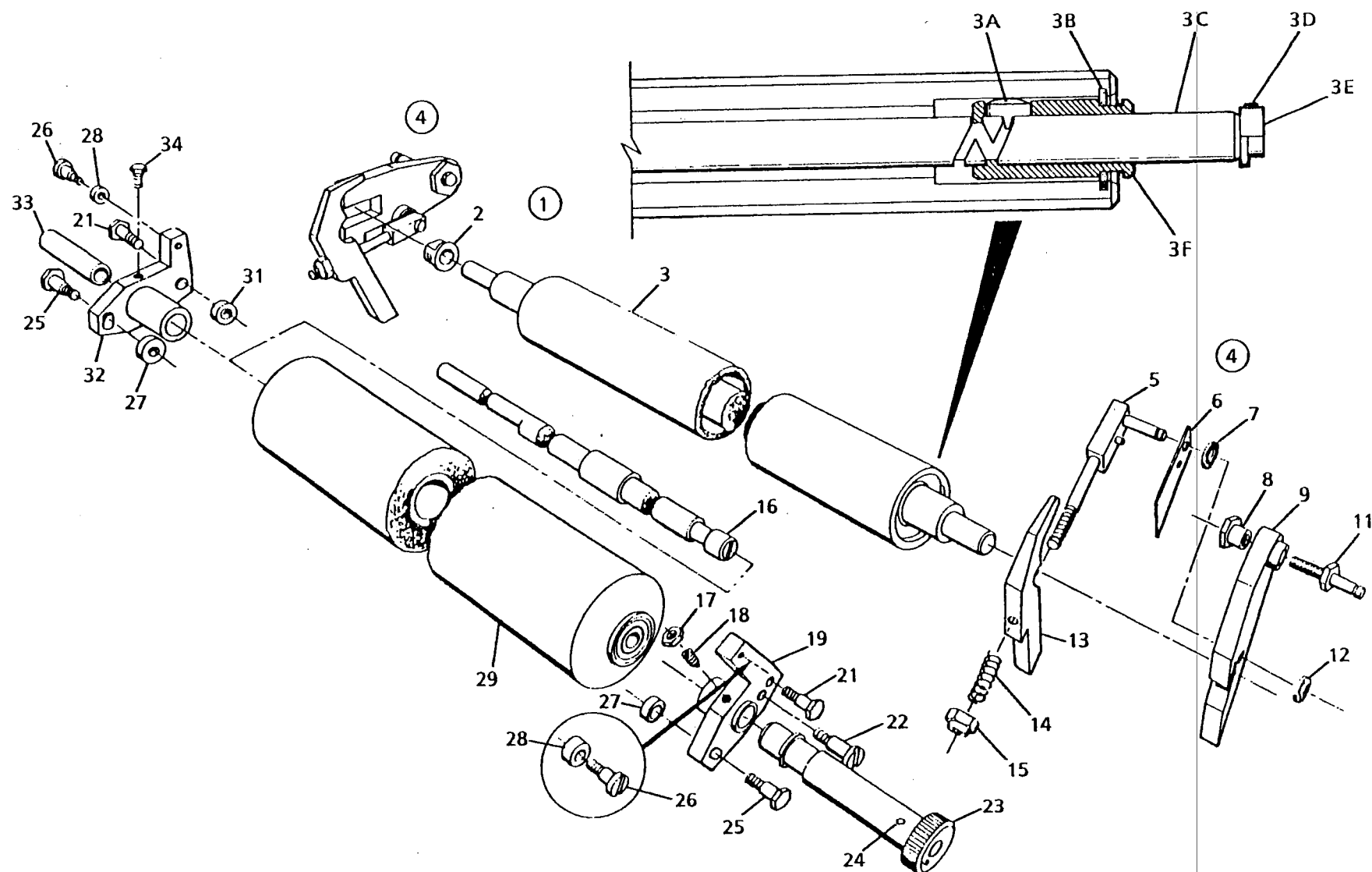
KEY	PART NUMBER	DESCRIPTION	QTY	NT	KEY	PART NUMBER	DESCRIPTION	QTY	NT
	13-3-206946	ROLL ASSY. VIB. COMP.	1		43	91-2152	NUT, ELASTIC STOP	1	1
1	13-9-197073	ROLL, Via.	1		44	13-6-191632	BKT. SUPPORT UPPER RIGHT	1	1
	13-5-186351	CORE	1		45	48-437-0260	WASHER	1	1
2	715-9000	SET SCREW	2		46	48-438-206B	WASHER, LOCK	1	1
3	13-8-181797	COLLAR	2		47	48-435-0368	NUT, HEX	1	1
4	13-8-187810	ROLL ASSY., DISTRIBUTOR	4		48	13-7-191631	ARM ASSY.	1	1
5	3A-55880	COLLAR	1		49	13-7-186359	BEARING, SHAFT ECC.	1	
	63434	SET SCREW	1		51	48-411-3670	SCREW	1	
6	78-40	BEARING	8			27-1852	PIN, PLASTIC	1	
7	700-8006	WASHER, RETAINER	8		52	190-102	NUT	1	
8	13-0-186414	ROLL ASSY., VIB.	1		53	13-6-196086	1KT., FORM ROLL RIGHT	1	
	13-9-197073	ROLL ASSY.	1		54	120-3469	PIN, PIVOT	1	
9	13-0-179146	SCREW, SOC SET 8-32X1/2	1		55	185-3497-A	BKT., LOWER FORM ROLL R.	1	
	700-9272	NUT, HEX 8-32	1		56	13-4-188242	BKT., SUPPORT RIGHT	1	
11	13-9-179220	PIN, GUIDE	2		57	13-5-188258	BKT., LOWER FORM ROLL L.	1	
12	69-1240	WASHER	2		58	13-5-188241	BKT., SUPPORT L.	1	1
	91-2152	NUT	2		59	48-425-197C	SCREW, 10-32X ³ / ₈	2	
13	13-3-191643	ROLL ASSY., TOP INK	1		61	13-3-196675	SHAFT ASSY., FORM ROLL	2	
	13-5-186351	CORE	1		62	976-1250	SET SCREW	1	
14	715-9000	SCREW, SET 10-32X3/8	2		63	13-4-196674	KNOB ASSY., LOWER FORM	1	
15	13-8-181797	COLLAR	2		64	170-1331	WASHER, C	2	1
16	13-2-187808	ROLL AS? INK DUCT W/17418	1		65	120-3463	SPRING	2	
17	10-3002	WASHER, C	2		66	13-6-188240	ARM ASSY.	3	1
18	11-9-154904	BUSHING	2		67	69-984	SCREW	1	
19	13-7-199469	ROLL ASSY., 1ST 01ST.	1		68	13-5-196087	BKT. ASSY FORM ROLL L.	1	
21	13-3-193409	ROLL ASSY., FORM	3		69	4-337	JAM NUT	2	
21A	13-0-196678	KNOB ASSY	1		71	4-731-A	RETAINER ASSY.	2	
22	13-2-199548	KIT, VIBRATOR ROLL	1		72	13-5-196673	KNOB ASSY., UPPER FORM	1	
23	13-5-196863	ROLL ASSY., OSCILLATOR	1		73	13-5-191633	BRACKET, SUPPORT	1	1
24	13-4-188218	BEARING	2		74	48-406-367D	SCREW, FIL. HD	2	1
	850-5064	SET SCREW 8-32X1/4	2		76	13-8-186432	SUPPORT ASSY. L.	1	
26	13-7-186433	SUPPORT ASSY., R. 27-41	1		77	13-5-181287	WASHER, TWIN	1	
27	13-9-186431	SUPPORT D.F.X.	1		78	48-438-206B	WASHER, LOCK 410		
28	13-5-188050	BRACKET, WIPER FRAME	1		79	3A-2614	FLAT WASHER	2	
29	13-9-188049	SPRING, HOLD DOWN	1		80	48-434-0447	SCREW, CAP	4	
31	48-438-206B	WASHER, LOCK 410	1		81	13-5-188050	BRACKET, WIPER FRAME	1	
32	48-411-157C	SCREW, HEX 10-32X5/16	1		82	48-411-157C	SCREW, HEX 10-32X5/16	1	
33	3A-2614	WASHER, FLAT 410	1		83	13-9-188049	SPRING, HOLD DOWN	1	
34	48-434-0447	SCREW, CAP	4		84	48-411-407C	SCREW, HEX 3/4 LG.	1	
35	13-4-183110	SUPPORT BRACKET, R.	1		85	48-435-036D	NUT	1	
36	13-0-183379	SCREW, HEX 10-32X1/2	1		86	13-9-186431	SUPPORT D.F.X.	1	
37	13-5-181287	WASHER, TWIN	1		87	13-0-179138	NUT BAR	1	
38	13-6-181286	BRACKET, LOCATER	1		88	13-6-181286	BRACKET, LOCATER	1	
39	13-0-179138	NUT BAR	1		89	13-0-183379	SCREW, HEX 10-32X1/2		
41	48-411-407C	SCREW, HEX 3/4 LG.	1		91	13-3-183111	SUPPORT, BKT. L.	1	
41	48-435-0360	NUT	1		999	NOTE I:	INDICATES OLD STYLE		
42	48-411-367D	SCREW	1	1					

GROUP 34- Ink Roll System, MC

GROUP 34- Ink Roll System, MC

KEY	PART NUMBER	DESCRIPTION	QTY	NT	KEY	PART NUMBER	DESCRIPTION	QTY	NT
1	13-9-192140	ROLL ASSY COMP. NIS	1		25	91-2152	NUT. ELASTIC STOP		
2	2650-10502	SEE GP. 32 KEY 1 FOR O/S			26	13-1-192072	BRKT. SUPPORT UPPER R.	1	
3	1050256	PIN-GUIDE	2		27	48-437-0260	WASHER	1	
4	69-1240	SCREW	2		28	48-438-206B	WASHER, LOCK	1	
	91-2152	WASHER	2		29	48-435-0368	NUT. HEX	1	
5	1090271	NUT	2		31	13-7-191631	ARM ASSY.	1	
	109075	SHAFT	1		32	13-7-186359	BEARING, SHAFT ECC.	2	
6	105023	GREASE FITTING	1		33	48-411-3679	SCREW	1	
	903025	CAP	1			27-1852	PIN, PLASTIC	1	
	10903	SET SCREW	1		34	190-102	NUT	1	
7	10902	BEARING	1		35	13-6-196086	BKT. FORM ROLL RIGHT	1	
	109023	DOG	1		36	120-3469	PIN, PIVOT	1	
8	90304	RETAINER	1		37	185-3497-A	BKT. LOWER FORM ROLLER R.	1	
9	13-9-197073	SCREW	1		38	13-4-188242	BKT. SUPPORT R.	1	1
	13-5-186351	ROLL ASSY.	1		39	13-5-188258	BKT. LOWER FORM ROLLER L.	1	
11	105022	CORE	1		41	13-5-188241	BKT. SUPPORT L.	1	1
	903025	CAP	1		42	48-425-197C	SCREW, 10-32X3/8	2	1
	10904	SCREW	1		43	13-3-196675	SHAFT, FORM ROLL	3	
14	13-6-193414	BEARING	1		44	50646	SET SCREW	1	
	3A-55880	ROLL ASSY., DISTRIBUTOR	2		45	13-4-196674	KNOB ASSY LOWER FORM ROLL	1	
	63434	COLLAR	1		46	170-1331	WASHER, C	2	1
15	13-8-192141	SET SCREW	1		47	120-3463	SPRING	2	
16	13-2-187808	ROLL ASSY. DIST. INC 59	1		48	13-6-188240	ARM ASSY.	1	
17	11-9-154904	ROLL ASSY., DUCTOR	1		49	69-984	SCREW	1	
18	10-3002	BUSHING	2		51	13-5-196087	BKT. ASSY UPPER FORM ROLL	1	
19	13-7-199469	WASHER C	2		52	4-337	JAM NUT	1	
21	13-3-193409	ROLL ASSY., 1ST 91ST.	1		53	4-731-A	RETAINER ASSY.	2	
	13-0-196678	ROLL ASSY., INK FORM	3		54	13-5-196673	KNOB ASSY UPPER FORM ROLL	1	
22	13-2-199548	KNOB ASSY.	1		55	48-419-277C	SCREW PAN HD 10-32X1/2	2	
23	13-5-196863	KIT, VIBRATOR ROLL	1		56	13-9-192132	BKT., SUPPORT L.	1	
	13-4-188218	ROLL ASSY., OSCILLATOR	1		57	50162	NUT, KEPS 10-32	2	
	850-5064	BEARING	2		58	700-8006	WASHER, RETAINER	4	
24	48-411-367D	SET SCREW	2		59	13-6-168069	BUSHING	2	
		SCREW	1		999	NOTE 1:	INDICATES OLD STYLE		

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GROUP 35 - Third Ink Form Roll & Lower Oscillating Roller

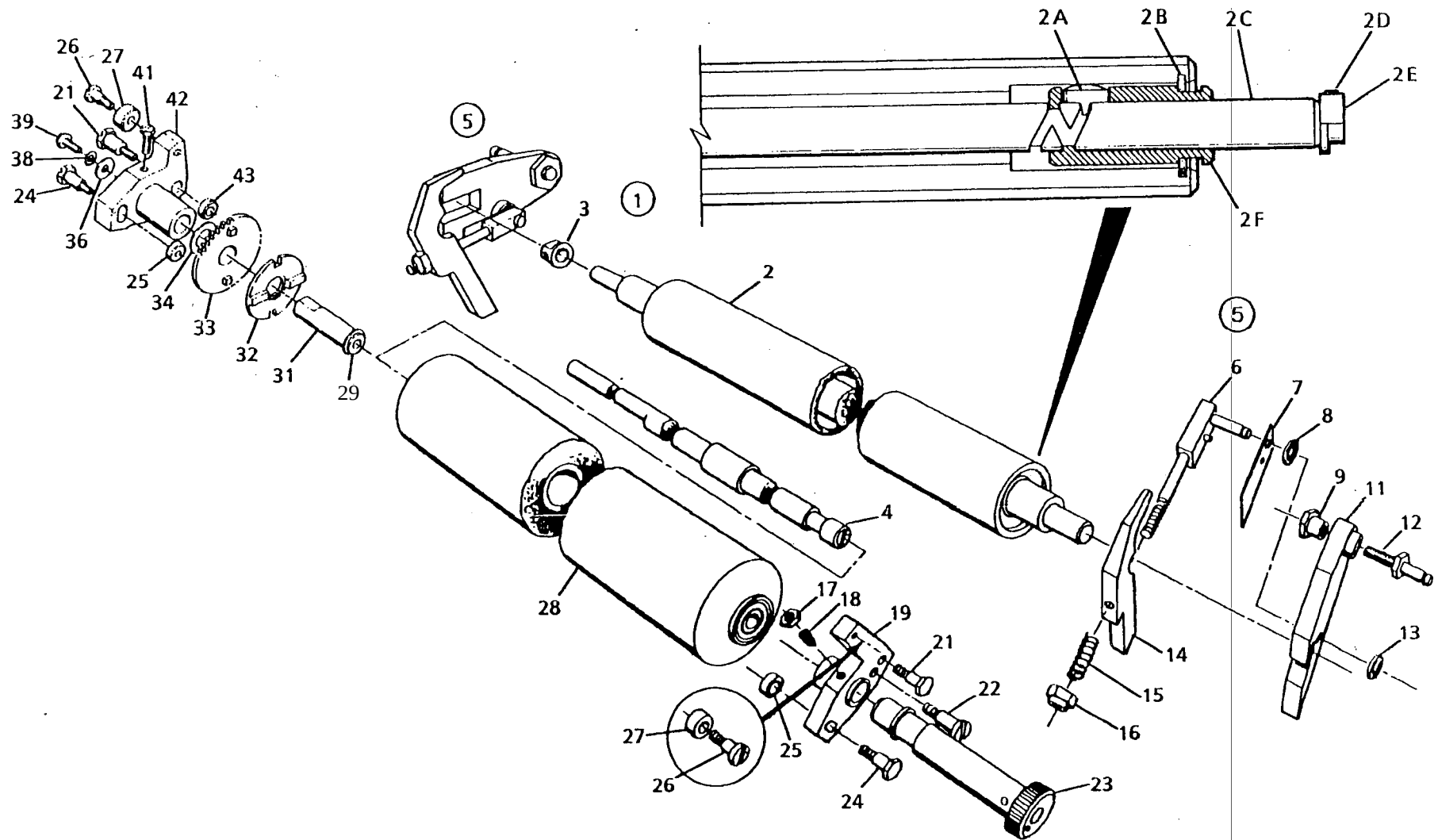
GROUP 35- Third Ink Form Roll & Lower Oscillating Roller

	KEY	PART NUMBER	DESCRIPTION	QTY NT
	1	13-4-196120	ROLL ASSY., OSCILLATOR	1
	2	13-4-188218	BRG. L.	1
		13-3-188219	BRG. R.	1
		850-5064	SET SCREW	2
M	3	13-7-196119	ROLL, OSC.	
M	3A	10901	DOG	
X	38	901024	RING, RET.	2
M	3C	1090274	SHAFT	1
m	3D	850-5064	SET SCREW 8-32X1/4	1
*	3E	13-4-188218	BEARING, L.	1
M	3F	10904	MG. ASSY. R.	1
		10903	BRG. ASSY. L. 0/5	1
		1090285	BRG, N/5 W/CUTOUT FOR PIN	1
		904061	PIN, BRG.	1
	4	13-9-188213	SUPPORT ASSY. OSC.	2
			INCL. 5-7, 9, 12-15	
X	5	13-0-188212	PIVOT ARM ASSY.	2
*	6	13-5-182020	SPRING, FLAT	2
*	7	305536	SPRING, WASHER	2
	8	13-5-188209	NUT, OKT., PIVOT	1
X	9	13-6-188208	BKT., OSC.	2
	11	13-2-188210	STUD	1
X	12	309714	RING, RET	2
*	13	13-0-182025	SUPPORT, ROLL	2
X	14	13-7-182028	SPRING, COMPRESSION	2
X	15	91-2152	NUT, ELASTIC	2
	16	13-1-186355	SHAFT. FORM ROLL	1
	17	4-337	NUT, JAM 5/16-18	1
	18	4-731-A	RETAINER ASSY. , BALL	1
	19	13-8-188230	BKT. ASSY., 3RD FORM ROLL	1
	21	13-7-188231	SCREW. SHOULDER	2
	22	13-2-188236	SCREW, SHOULDER	2
	23	13-1-190571	KNOB ASSY., INK FORM ROLL	1
	24	976-1250	SET SCREW	1
	25	13-4-188234	SCREW. SHOULDER	2
	26	13-6-188232	SCREW, SHOULDER	2
	27	13-1-188237	SPACER	1
	28	13-5-188233	ROLLER	2
	29	13-3-193409	FORM ROLL	1
	31	13-3-188235	SPACER	1
	32	13-2-188228	BKT. ASSY. , 3RD FORM ROLL	1
	33	13-6-188224	BEARING	1
	34	48-411-3670	SCREW, HEX 10-32X5/8	1

Indicates Change

1450/1650

GROUP 35A - Gear Driven Third Form Roll & Lower Oscillating Roller

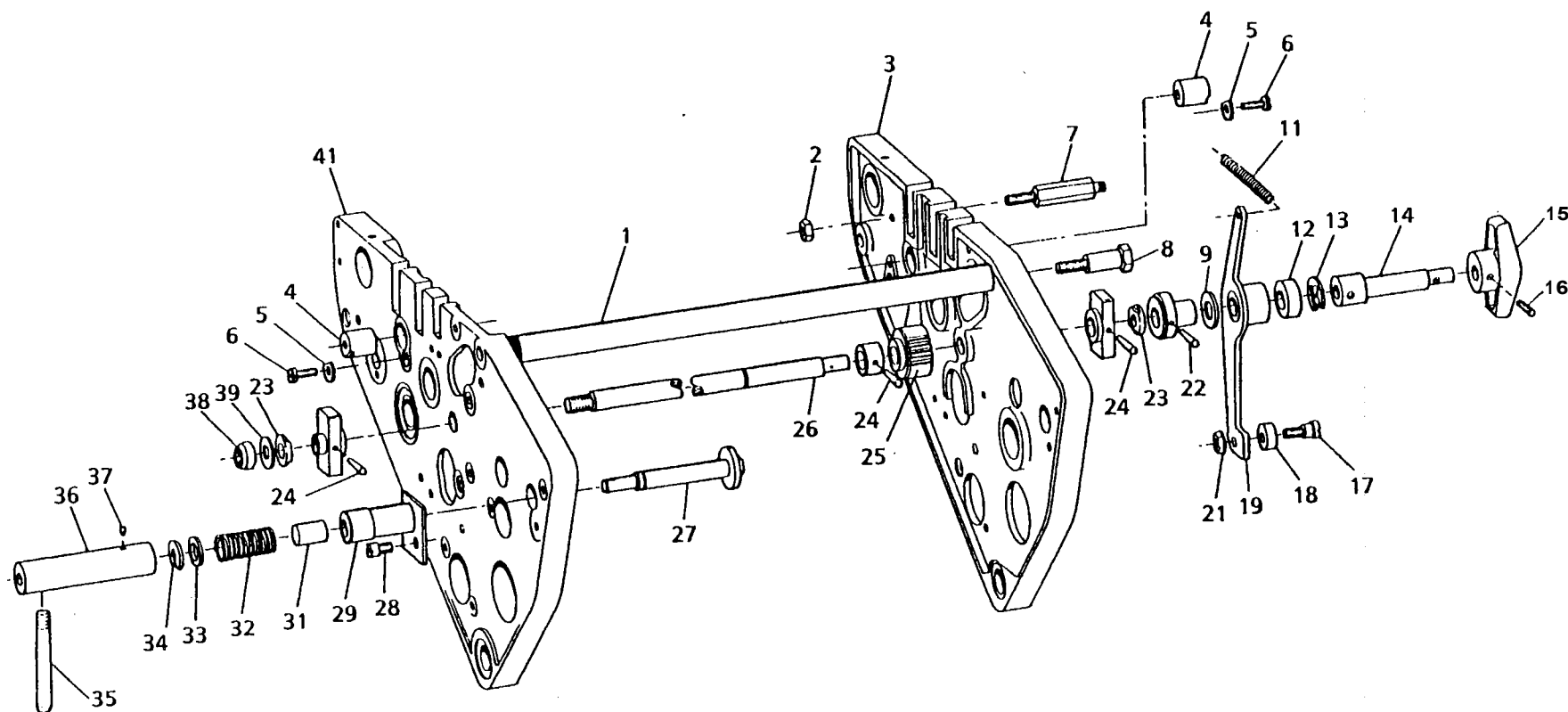


GROUP 35A - Gear Driven Third Form Roll & Lower Oscillating Roller

	KEY PART NUMBER	DESCRIPTION	QTY NT
	1 13-5-196863	ROLL ASSY. OSC. COMP	1
K	2 13-7-196119	ROLL, OSC.	1
*	2A 10901	DOG	1
*	28 901024	RING, RET	2
*	2C 1090274	SHAFT	1
*	2D 850-5064	SET SCREW, 8-32X ¹ / ₄	1
*	2E 13-4-188218	BEARING. L.	1
K	2F 10904	BRG. ASSY. R.	1
*	10903	BRG. ASSY. L. O/S	1
*	1090285	ERG. N/S W/CUTOUT FOR PIN	1
*	904061	PIN, ERG.	1
	3 13-4-188218	BEARING	2
	850-5064	SET SCREW	2
	4 13-2-196866	SHAFT ASSY. GEAR DR. FORM	1
•	5 13-9-188213	SUPPORT ASSY.. OSC. L.	2
		INCL. 6-8, 11 13-16	
*	6 13-0-188212	PIVOT ARM ASSY.	2
•	7 13-5-182020	SPRING. FLAT	2
•	8 305536	SPRING, WASHER	2
	9 13-5-188209	NUT. PIVOT BKT.	1
•	11 13-6-188208	BKT. ASSY	2
	12 13-2-188210	STUD	1
•	13 309714	RING, RET.	2
•	14 13-0-182025	SUPPORT, ROLL	2
K	15 13-7-182028	SPRING, COMP.	2
*	16 91-2152	NUT, ELASTIC	2
	17 4-337	JAM HUT 5116-18	1
	18 4-731-A	RETAINER ASSY., BALL	1
	19 13-8-188230	BKT. ASSY.	1
	21 13-7-188231	SCREW, SHOULDER	2
	22 13-2-188236	SCREW. SHOULDER	1
	23 13-0-196678	KNOB ASSY., INK FORM	1
	976-1250	SET SCREW	1
	24 13-4-188234	SCREW. SHOULDER	2
	25 13-1-188237	SPACER	2
	26 13-6-188232	SCREW, SHOULDER	2
	27 13-5-188233	ROLLER	2
	28 83-0-105623	ROLL ASSY., INK FORM	1
	29 11-6-154188	RETAINING RING	1
	31 13-0-196868	BRG. ASSY. INCL. 29	1
	32 11-7-154187	DISC	1
	33 13-0-189954	GEAR	1
	34 185-3714	SHIM	AR
	36 F2-1103	WASHER	1
	38 48-438-505C	WASHER, LOCK	1
	39 48-412-277C	SCREW	1
	41 48-411-3670	SCREW, HEX 10-32X518	1
	42 13-4-196864	BRACKET	1
43	13-3-188235	SPACER	1

Indicates Change

1450/1650

GROUP 36 - Night Latch Shaft & Master Cylinder Wrench Assemblies

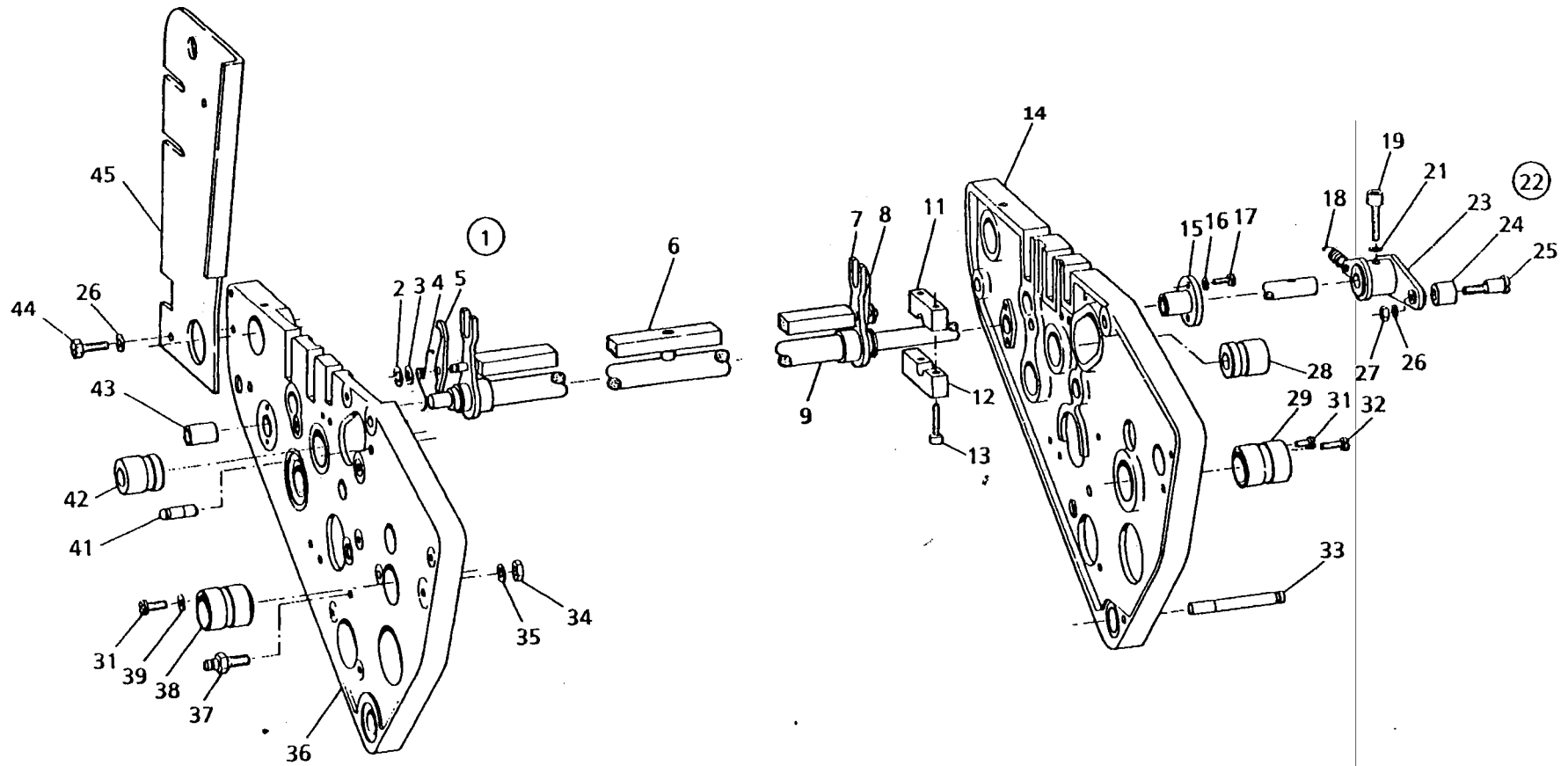
GROUP 36- Night Latch Shaft & Master Cylinder Wrench Assemblies

KEY	PART NUMBER	DESCRIPTION	QTY	NT
1	13-4-186329	TIE BAR	1	
2	6400-610	NUT	1	
3	13-8-195904	INK PLATE ASSY. RIGHT 4-6	1	
4	120-3500	BUSHING	2	
5	200-9	WASHER	1	
6	48-406-154C	SCREW, 8-32X5/16	1	
7	120-3612-2	STUD, COVER & SPRING R.	1	
8	120-3603	SCREW, 5/16-24X11/16	2	
9	195-6010	WASHER	1	
11	A7-7207	SPRING	1	
12	94-229	COLLAR	1	
13	850-5009	WASHER, C	1	
14	13-0-191117	EXTENSION, SHAFT MC ONLY	1	
15	13-0-187214	KNOB, ROLL SEPARATING	1	
16	91-2107	SCREW, 10-32X3/8	2	
17	40-1873	SCREW, 1/4-28X23/32	1	
18	40-1871	ROLLER	1	
19	120-3640-A	LEVER ASSY.	1	
21	190-102	NUT	1	
22	EF-3500	TAPER PIN	1	
23	120-3628	BUSHING, GUIDE	1	
24	17-130	TAPER PIN	3	
25	185-3657-A	GEAR	1	
26	13-5-186369	SHAFT ASSY.	1	
27	13-1-187551	WRENCH, MASTER CYLINDER	1	
28	48-433-200F	SCREW, 1/4-20X3/8	1	
29	13-9-196539	PLATE ASSY., MTG.	1	
	13-0-186455	PLATE ASSY. 0/5	1	
31	13-2-187550	SPACER	1	
32	ULG-6214	SPRING	1	
33	PX-42	WASHER	1	
34	50-1535	WASHER, C	1	
35	13-1-208498	LEVER, M.C. WRENCH	1	
	13-4-187541	LEVER, M.G. WRENCH 0/5	1	
36	13-3-208488	HUB, WRENCH	1	
	13-0-187552	HUB, WRENCH 0/5	1	
37	11-21331	SET SCREW	1	
38	185-3655	NUT	1	
39	192-8051	WASHER	1	
41	13-0-196538	INK PLATE ASSY. LEFT 4-6	1	
999	13-0-208499	WRENCH UPDATE KIT INCL. 35 - 37	1	

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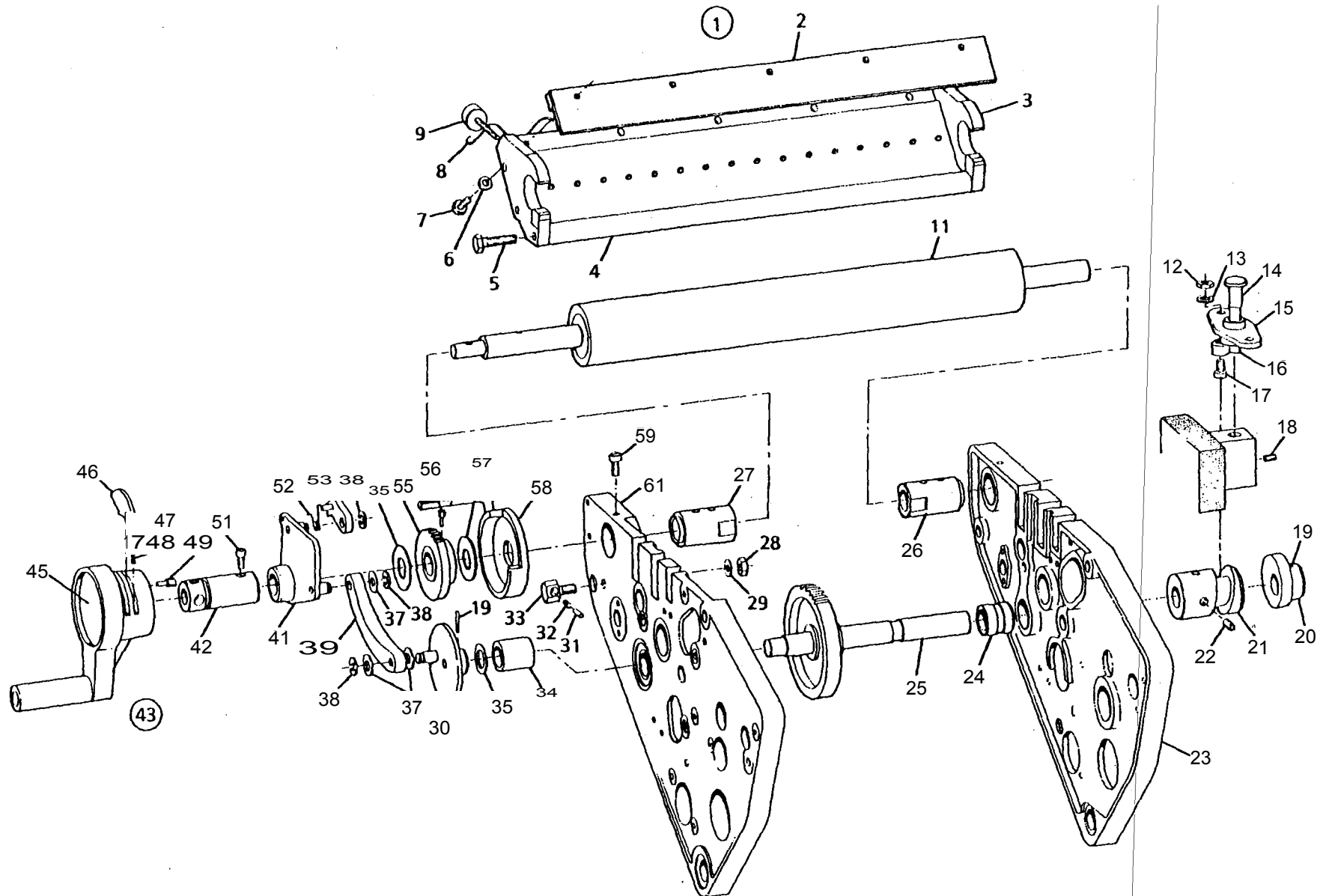
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GROUP 37 - Ink Ductor Shaft Assembly

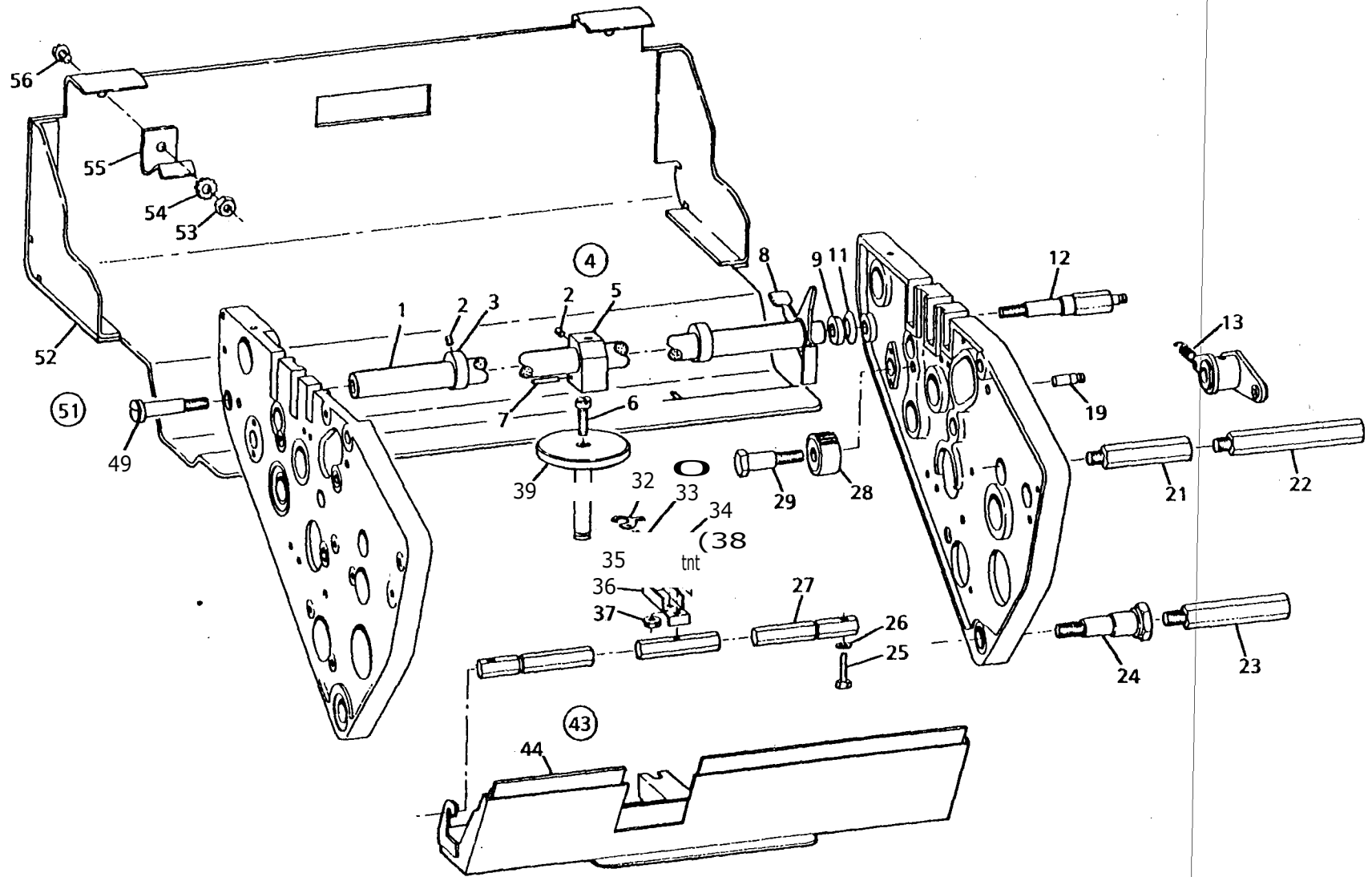
GROUP 37 - Ink Ductor Shaft Assembly

KEY	PART NUMBER	DESCRIPTION	QTY NT
1	13-3-195883	SHAFT ASSY., INK DUCTOR INCL. 2-9	1
2	1720-1031	WASHER, C	2
3	A7-8614	WASHER	2
4	13-3-196519	SPRING	1
5	13-7-194643	LATCH, DUCTOR ROLL	2
6	13-8-195388	BAR ASSY. EQUALIZING	1
7	13-0-195886	ARM ASSY. DUCTOR	2
8	11-2-154901	SPRING	1
9	13-2-195884	SHAFT ASSY. INK DUCTOR	1
11	13-8-195912	CLAMP, SHORT	1
12	13-7-195913	CLAMP, LONG	1
13	48-433-404F	SCREW, CAP 8-32X ³ / ₄	2
14	13-8-195904	INK PLATE ASSY. RIGHT	1
15	13-3-195917	BEARING, DUCTOR SHAFT R.	1
16	48-438-2058	LOCKWASHER, 08	2
17	48-406-194D	SCREW, FIL. 8-32X3/8	2
18	26-40671	SPRING	2
19	43-433-447F	SCREW, CAP 10-32X7/8	1
21	48-438-206B	LOCKWASHER 010	1
22	13-1-195901	ARM ASSY., CAM ROLLER INCL. 23-27	1
23	13-0-195902	ARM ASSY., CAM ROLLER	1
24	13-2-182239	BEARING ASSY.	1
25	13-5-182236	SCREW. ECC.	1
26	48-438-206R	WASHER. LOCK	1
27	48-435-036C	NUT, HEX 10-32	1
28	120-3504	BUSHING	1
29	185-3502	BUSHING, R.	1
31	48-406-154C	SCREW, 8-32X5/16	1
32	120-3501	SCREW. 8-32X3/8	1
33	13-5-188266	PIN	1
34	48-435-043C	NUT, HEX 1/4-20	1
35	48-438-2088	WASHER, LOCK 1/4	1
36	13-0-196538	INK PLATE ASSY.. LEFT	1
37	13-2-188210	STUD	1
38	185-3550	BUSHING, L.	1
39	200-9	WASHER	1
41	HA-5121	PIN, SPRING	1
42	120-3504	BUSHING	1
43	13-5-195907	BEARING	1
44	48-411-277C	SCREW	1
45	13-2-194333	SAFETY PLATE	1

GROUP 38 - Ink Fountain & Drive Assembly

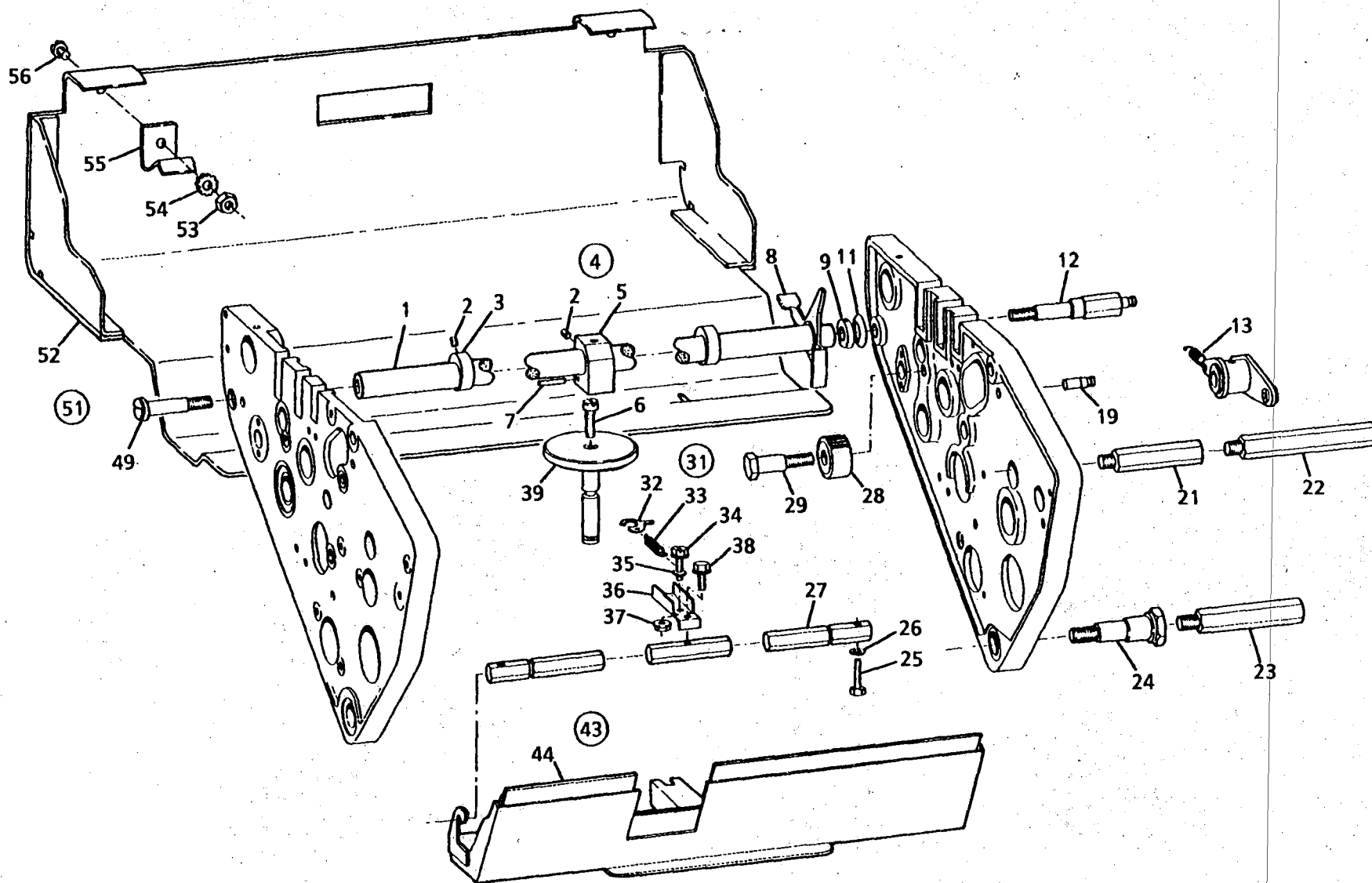
GROUP 38 - Ink Fountain & Drive Assembly

KEY	PART NUMBER	DESCRIPTION	QTY NT	KEY	PART NUMBER	DESCRIPTION	QTY NT
1	13-3-195925	FOUNTAIN ASSY. INK 2-9	1	30	120-3621-1AS	CAM	1
2	13-1-195893	BLADE ASSY. INK FOUNTAIN	1	31	296-1697	SNUBBER	
3	13-1-195919	SIDE PLATE, INK FOUNTAIN	2	32	ARM-882	SPRING	1
4	13-2-195900	FOUNTAIN	1	33	120-3556	BLOCK, DETENT	1
5	190-403	SCREW 1/4-28X1	6	34	930-1400	BUSHING	1
6	48-437-026C	WASHER, FLAT	5	35	13-7-182002	WASHER	2
7	120-7630	SCREW, HEX 10-32X1/2	5	37	69-1202	WASHER	1
8	13-1-186330	WIRE, TENSION SCREW ADJ.	1	38	40-1813	C WASHER	1
9	120-3618-1	SCREW	17	39	120-3615-1	LINK	1
11	13-6-195898	ROLL ASSY INK FOUNTAIN	1	41	13-5-189454	BELL CRANK ASSY.	1
12	40-1836	NUT	2	42	13-7-189650	4UB, RATCHET DRIVE	1
13	D3-4632	LOCKWASHER	2	43	13-8-165535	CRANK ASSY., INK UNIT	1
14	120-3608	PIN	1			INCL. 45-49	
15	185-3614-A	LEVER ASSY., ROCKER	1	45	13-2-130352	INSERT, HANDLE	1
16	185-3616	ROLLER	2	46	185-3607	PAWL, CRANK RATCHET	2
17	185-3617	SCREW	2	47	185-3606	PIN	2
18	XM-981-4	SET SCREW	1	48	91-2212-1	SPRING	2
19	XM-415	PIN	3	49	D2-5519	SCREW	1
20	120-36201-5	CAM	1	51	48-433-197F	SCREW	1
21	120W-368-1	CAM	1	52	120-3612-1	SPRING	1
22	120-5329	SET SCREW	2	53	13-5-187680	PAWL ASSY.	1
23	13-8-195904	PLATE ASSY. INK UNIT R.	1	55	13-0-195779	RATCHET, INK FOUNTAIN	1
24	120-3505	BUSHING	1	56	36-533	SCREW	1
25	13-3-195891	SHAFT ASSY. CAM	1	57	KG-7309	WASHER	1
26	13-4-195916	BUSHING, FOUNTAIN ROLL R.	1	58	13-7-189452	RATCHET SHIELL ASSY.	1
27	13-5-195915	BUSHING, FOUNTAIN ROLL L.	1	59	13-9-189492	SCREW	1
28	4-312	NUT, HEX 1/4-24	1	61	13-0-196538	INK PLATE ASSY. L.	1
29	48-438-208R	WASHER, LOCK	1				

GROUP 39 - Ink Clean-up Assembly

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GROUP 39 - Ink Clean-up Assembly

GROUP 39- Ink Clean-up Assembly

KEY	PART NUMBER	DESCRIPTION	QTY NT
1	13-2-195918	TIE BAR, INK FOUNTAIN	1
2	2750-3753	SET SCREW	
3	13-9-195911	COLLAR, ECC.	2
4	13-0-195878	SUPPORT ASSY. CLEANER ACT	1
		INCL. 5-7	
5	13-9-195879	SUPPORT, CLEANER ACT.	1
6	13-6-195880	SCREW, ACTUATOR SUPPORT	1
7	31436	ROLL PIN	1
a	13-8-195896	LEVER ASSY. DUCTOR LOCK.	1
9	182-2077	COLLAR	1
	976-1250	SET SCREW 10-32X3/16	
)4 11	13-7-198826	WASHER, CURVED	1
12	13-8-196795	SCREW, TIE BAR	1
13	13-9-196794	SPRING	1
19	HA-5121	PIN	1
21	13-7-187530	STUD, INK COVER, RIGHT	1
22	13-1-191116	EXT. STANDOFF, MC ONLY	1
23	13-7-186672	STANDOFF, RIGHT REAR	1
24	1275-3105	SCREW, 3/8-24X11/16	2
x 25	48-433-4078	SCREW, CAP 10-32X3/4	2
)4 26	48-438-206A	WASHER, LOCK #10	2
27	13-4-195882	TIE BAR, INK CLEAN-UP	1
28	185-3508	GEAR	1
29	185-3509	SCREW	1
31	13-8-195870	SPRING ASSY. PAN RETAIN.	1
		INCL. 32-37	
32	13-6-195872	HOOK, SPRING	1
33	69-509	SPRING	1
34	48-412-367C	SCREW, MACH. 10-32X5/8	1
35	ULG-5053	WASHER	1
36	13-7-195871	BKT., SPRING HOLDER	1
37	50162	NUT, KEPS 10-32	1
38	120-7630	SCREW, HEX 10-32X1/2	1
39	13-5-195873	ACTUATOR ASSY. CLEAN-UP	1
x 43	13-0-207582	PAN ASSY., INK CLEAN-UP	1
44	13-2-719945,61	BLADE, RFD.	1
	13-6-207618	CHANNEL, t:z	1
	48-425-1714)1r	SCREW, TRUSS 1.-32X1/2	3
49	13-3-189381	BOLT, SHOULDER	1
51	13-4-195924	COVER ASSY. COMP.	1
52	13-1-196065	COI/ER	1
53	301133	NUT, KEPS 8-32	2
54	48-437-023D	WASHER	2
55	120-3638	SPRING	2
56	48-419-154C	SCREW, PAN HD 8-32	2

*
Indicates Change

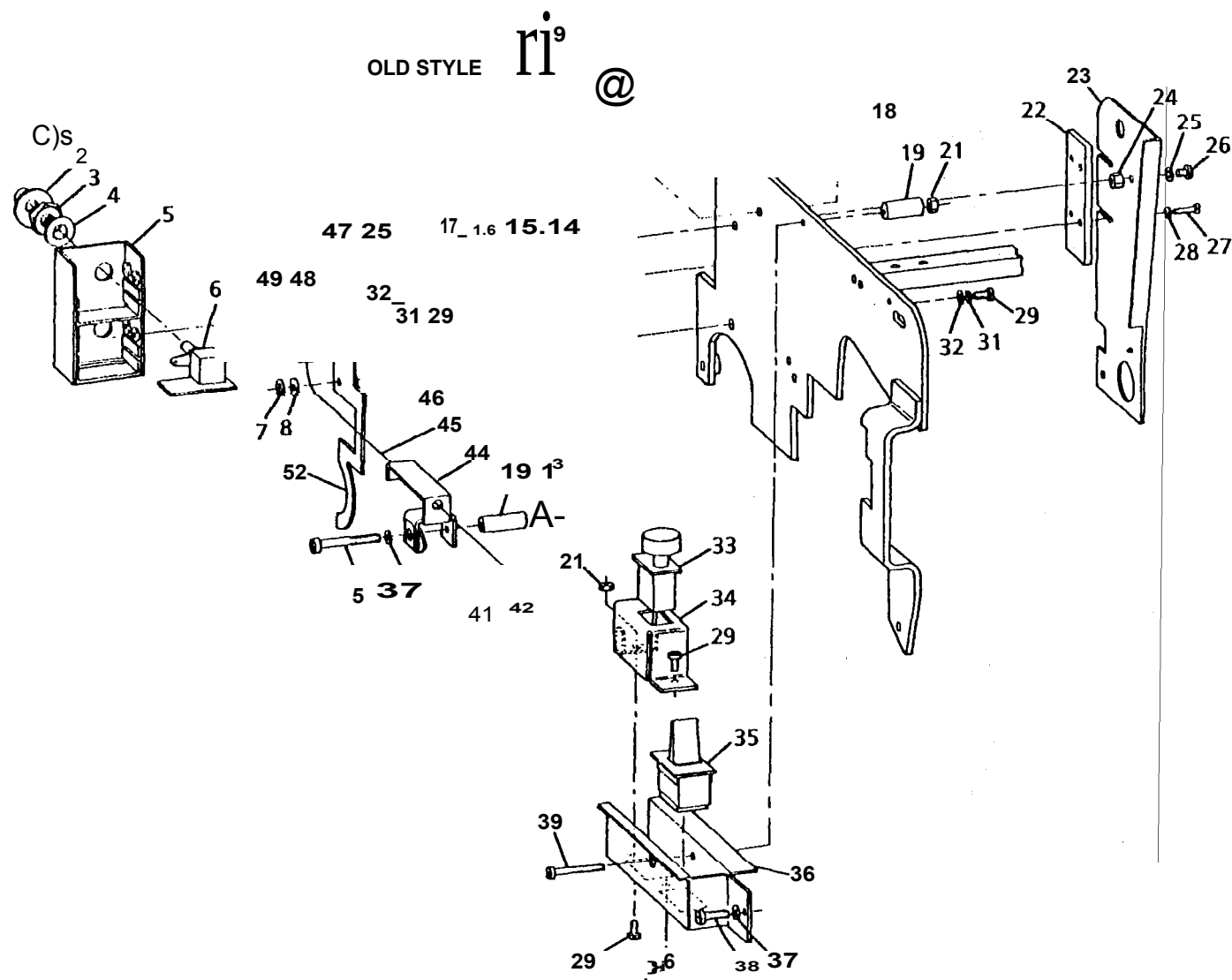
GROUP 39- Ink Clean-up Assembly

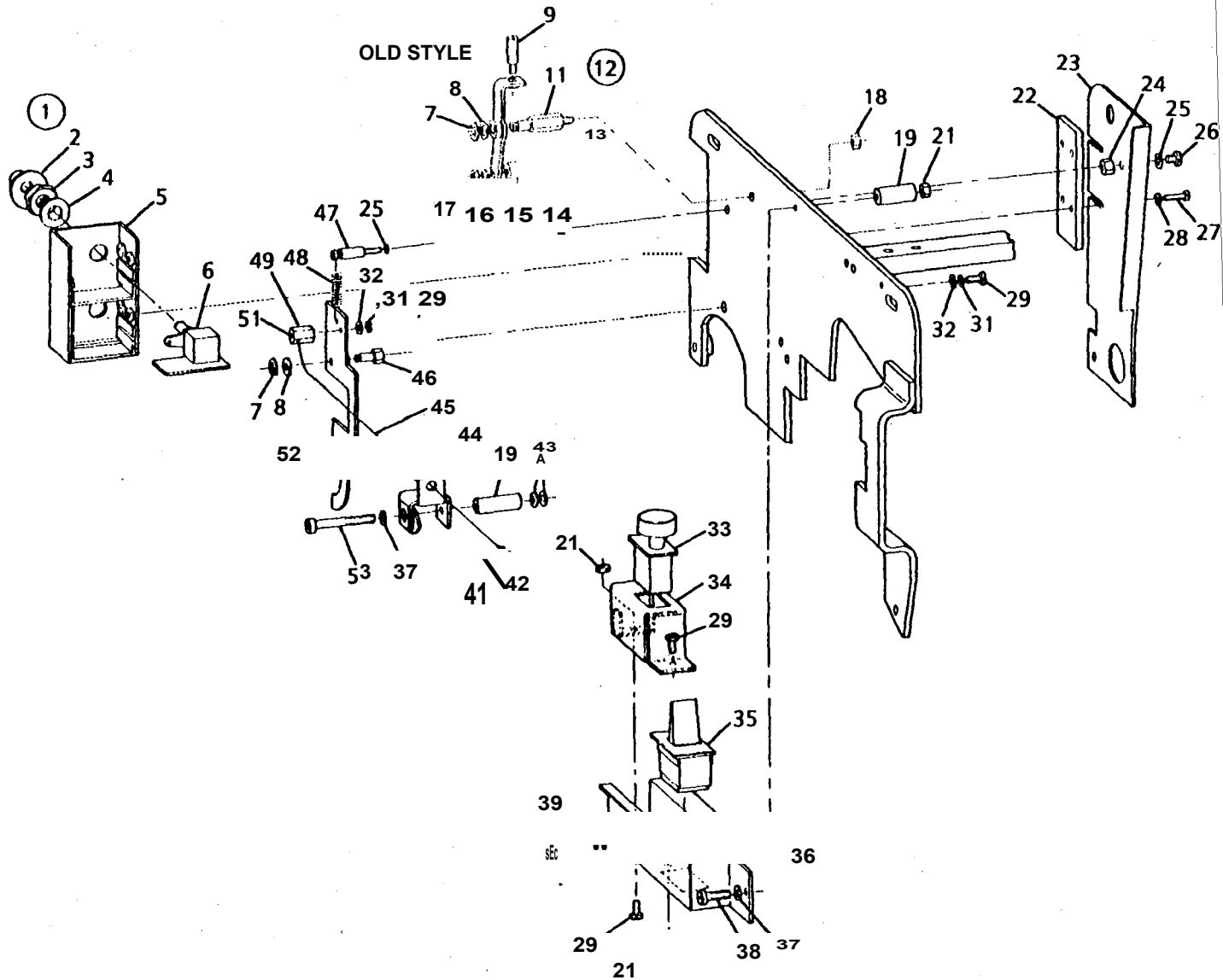
KEY	PART NUMBER	DESCRIPTION	QTY NT
	1 13-2-195918	TIE BAR, INK FOUNTAIN	1
	2 2750-3753	SET SCREW	4
	3 13-9-195911	COLLAR, ECC.	
	4 13-0-195878	SUPPORT ASSY. CLEANER ACT	1
		INCL. 5-7	
	5 13-9-195879	SUPPORT, CLEANER ACT.	1
	6 13-6-195880	SCREW, ACTUATOR SUPPORT	1
	7 31436	ROLL PIN	1
	8 13-6-208352	LEVER ASSY. DUCTOR LOCK.	1
	9 182-2077	COLLAR	1
	976-1250	SET SCREW 10-32X3/16	1
	11 13-7-198826	WASHER, CURVED	1
	12 13-8-196795	SCREW, TIE BAR	1
	13 13-9-196794	SPRING	1
	19 HA-5121	PIN	1
	21 13-7-187530	STUD, INK COVER, RIGHT	1
X	13-5-208254	STANDOFF, N/S	1
	22 13-1-191116	EXT. STANDOFF, MC ONLY	
	23 13-7-186672	STANDOFF, RIGHT REAR	1
	24 1275-3105	SCREW, 3/8-24X11/16	2
	25 48-433-4070	SCREW, CAP 10-32X3/4	2
	26 48-438-206A	WASHER, LOCK 110	2
	27 13-4-195882	TIE BAR, INK CLEAN-UP	1
	28 185-3508	GEAR	1
	29 185-3509	SCREW	1
	31 13-8-195870	SPRING ASSY. PAN RETAIN.	1
		INCL. 32-37	
	32 13-6-195872	HOOK, SPRING	1
	33 69-509	SPRING	1
	34 48-412-367C	SCREW, MACH. 10-32X5/8	1
	35 ULG-5053	WASHER	1
	36 13-7-195871	BKT., SPRING HOLDER	1
	37 50162	NUT, KEPS 10-32	1
	38 120-7630	SCREW, HEX 10-32X1/2	1
	39 13-5-195873	ACTUATOR ASSY. CLEAN-UP	1
	43 13-0-207582	PAN ASSY., INK CLEAN-UP	1
	44 13-2-199456	BLADE, RED	1
	13-6-207610	CHANNEL	1
	-48-425-2770	SCREW, TRUSS 10-32X1/2	3
	49 13-3-189381	BOLT, SHOULDER	1
	51 13-4-195924	COVER ASSY. COMP.	1
	52 13-1-196065	COVER	1
	53 301133	NUT, KU'S 8-32	2
	54 48-437-023D	WASHER	2
	55 120-3638	SPRING	2
	56 48-419-154C	SCREW, PAN HD 8-32	2

* Indicates Change

2-77(0 5104179

for washing attach

GROUP 40 - Auto Ink Override, Moisture Control MC, Emergency Stop, Inching Switch

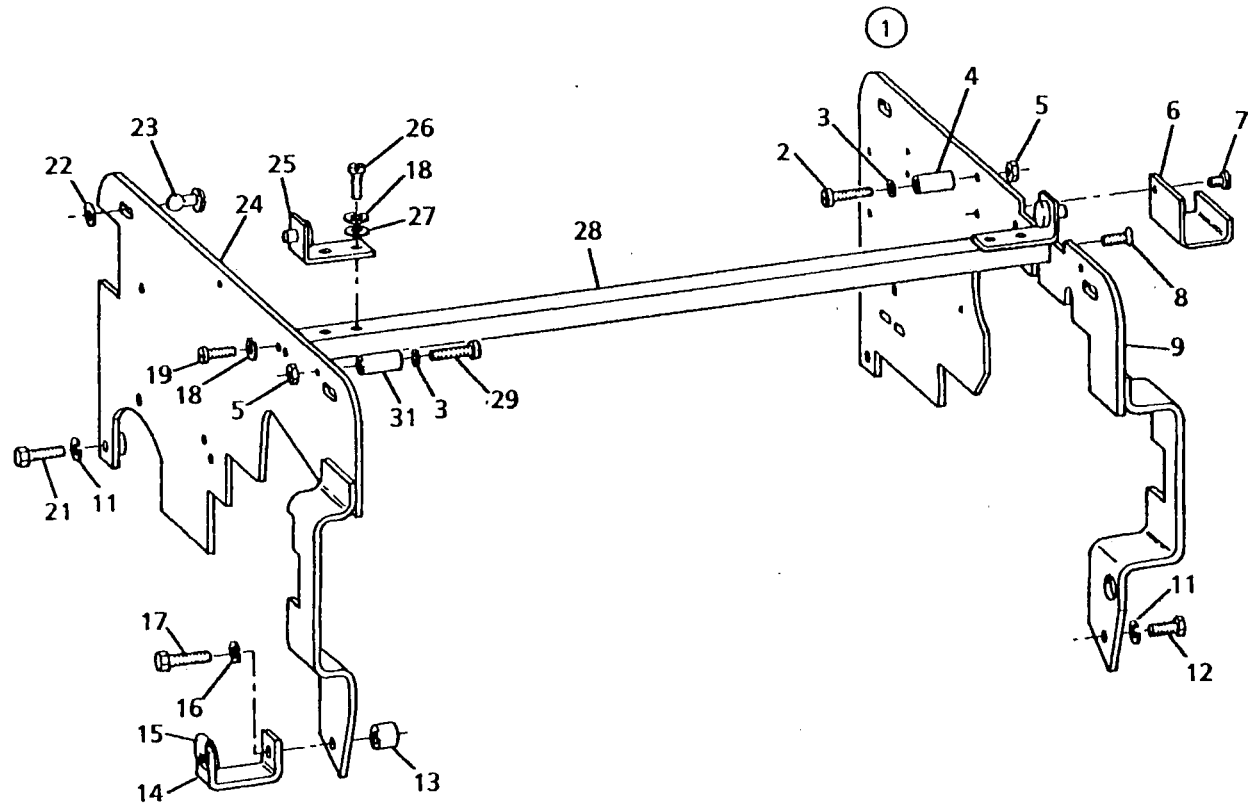
GROUP 40- Auto Ink Override, Moisture Control MC, Emergency Stop, Inching Switch

GROUP 40- Auto Ink Override, Moisture Control MC, Emergency Stop, Inching Switch

KEY	PART NUMBER	DESCRIPTION	QTY	NT	KEY	PART NUMBER	DESCRIPTION	QTY	NT
1	13-0-195357	BOX ASSY MOISTURE CONTROL	1	1	28	48-425-2720	SCREW, TR HD 6-32x1 1/2	1	1
2	13-9-194328	KNOB, MOISTURE CONTROL	1		29	48-419-1540	SCREW, 8-32X5/16	1	
3	50161	NUT, HEX 3/8-32 LOCK	1		31	48-438-2058	WASHER, LOCK 18	1	
4	48-438-410R	WASHER, LOCK 3/8 INT TN	1		32	48-437-023B	WASHER, PLAIN	1	
5	13-3-194324	BOX, MOISTURE CONTROL	1		33	13-1-195828	SWITCH P'BUTTON EMERGENCY	1	
6	13-0-194327	PCB, MOISTURE CONTROL	1		34	13-1-196073	HOLDER, STOP SWITCH	1	
7	60829	RING, RETAINING	1		35	13-7-196010	SWITCH, ROCKER (INCHING)	1	
8	A7-8614	WASHER	1		36	13-0-196066	HOLDER, SWITCH	1	
9	13-8-195987	SCREW, HANDLE	1		37	48-438-20613	WASHER, LOCK 110	1	
11	13-1-195984	PIN, PIVOT	1		38	48-406-36713	SCREW, 10-32X5/8	1	
12	13-3-195990	LEVER ASSY. OVER-RIDE	1		39	48-419-5648	SCREW, 8-32 X 1 1/4	1	
		INCL. 12 - 17			41	48-419-082D	SCREW 6-32X3/16	1	
13	660-1506	SCREW, 8-32X11/32	1		42	48-438-503A	WASHER, LOCK 16	1	
14	13-0-195985	ROLLER, OVER-RIDE LEVER	1		43	69-1240	WASHER	2	
15	13-6-195989	LEVER, OVER-RIDE	1		44	13-0-209109	BRACKET, GUIDE ASSY.	1	
16	48-437-0230	WASHER	1		45	13-4-188713	CABLE, INK FEED	1	
17	301133	NUT, KEPS 8-32	1		46	13-3-187682	PIN, PIVOT	1	
18	48-435-0368	NUT, HEX 10-32	1		47	120-8603	SCREW, 10-32X3/8	1	
19	13-3-187773	SPACER	1		48	26-40671	SPRING, LATCH RETURN	1	
21	301133	NUT, KEPS 8-32	1		49	13-3-188714	ANCHOR, CABLE	1	
22	13-4-199397	SPACER	1	1	51	63434	SCREW, 8-32X3/16	1	
23	13-2-194333	PLATE, SAFETY	1		52	13-0-189475	LEVER ASSY., REL. PAWL	1	
24	13-0-194350	SPACER, HEX 5/16	1		53	48-411-607D	SCREW, HEX 10-32X1 1/2	1	
25	48-438-505A	WASHER, LOCK 010	1		999	13-1-196040	CMI SPEED POT CABLE	1	
26	48-425-0878	SCREW, TR HD 10-32X3/16	1			NOTE 1:	MC MODELS ONLY		
27	48-438-5038	WASHER, LOCK #6	1	1					

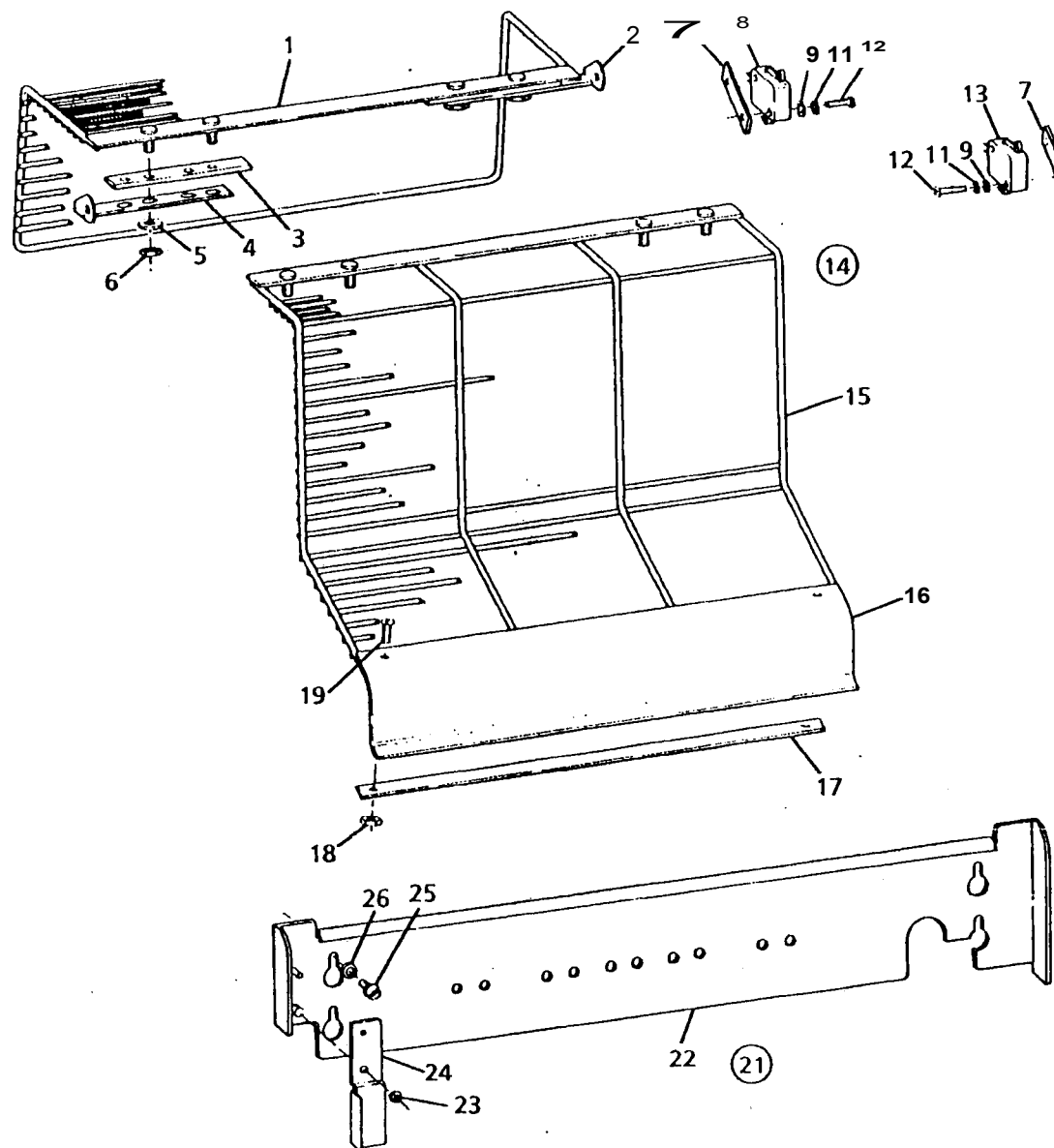
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GROUP 41 - Safety Cover Side Frames



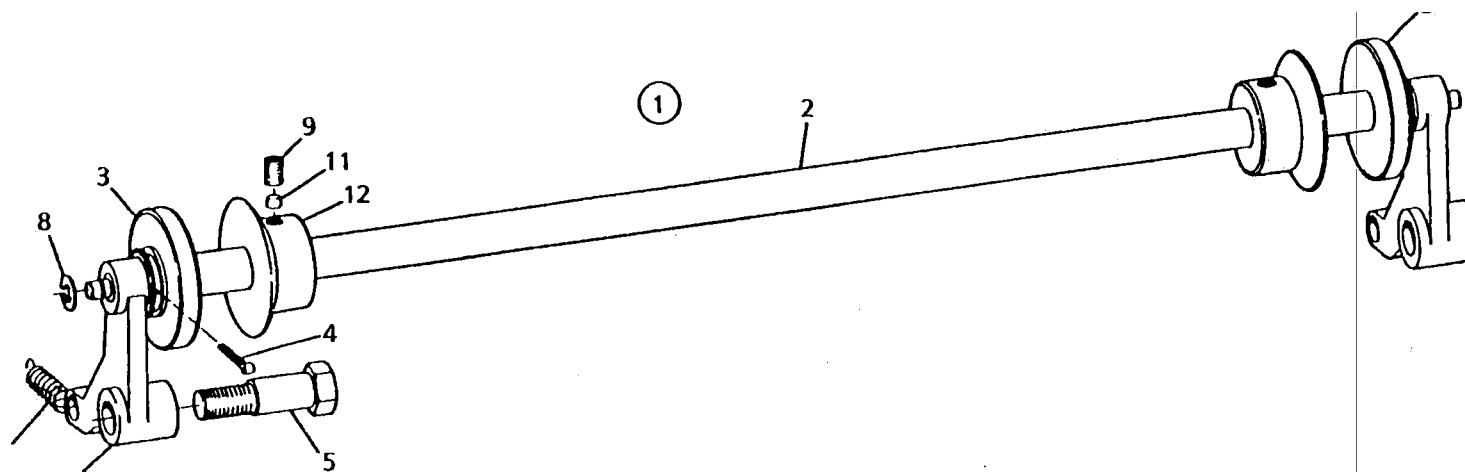
GROUP 41 - Safety Cover Side Frames

KEY	PART NUMBER	DESCRIPTION	QTY	NT
1	13-3-196063	INK COVER & SIDE PLATE	1	
	13-2-196049	INK COVER & SIDE PLATE	1	1
	13-2-208711	INK COVER & SIDE PLATE	1	2
2	48-406-4448	SCREW FIL. 8-32X7/8	2	
3	48-438-2058	LOCK WASHER #8	2	
4	13-1-187528	SPACER	2	
5	301133	NUT, KEPS 8-32	2	
6	13-5-193365	BRACKET, SAFETY	1	
7	48-422-1148	SCREW 8-32X1/4	1	
8	48-409-2778	SCREW, 10-32X1/2	2	
9	13-0-187511	INK PLATE, TOP RIGHT	1	
	13-1-191330	INK PLATE, TOP RIGHT	1	1
	13-6-208766	INK PLATE, TOP R.	1	2
11	48-438-507A	WASHER, LOCK 1/4 EXT TH	1	
12	48-411-2818	SCREW 1/4-28X1/2	1	
13	13-5-187532	SPACER	2	
14	13-2-209107	BRACKET	1	
15	13-0-184963	RECEPTACLE, 0/5	1	
16	48-438-507A	WASHER, LOCK 1/4 EXT TN	4	
17	48-411-4518	SCREW, 1/4-28X7/8	1	
18	48-438-2068	WASHER, LOCK	2	
19	48-406-3678	SCREW, FIL.	2	
21	48-411-4118	SCREW, 1/4-28X3/4	1	
22	13-1-184970	RETAINER 0/5		
23	13-3-187591	STUD 0/S	4	
24	13-0-188709	INK PLATE, TOP LEFT	1	
	13-4-193721	INK PLATE, TOP LEFT	1	1
	13-5-208767	INK PLATE, TOP L.	1	2
25	13-2-187527	BRACKET, HINGE	2	
26	48-406-2778	SCREW, 10-32X1/2	4	
27	48-437-0268	WASHER, PLAIN #10	4	
		GRAPHICS MODELS ONLY		
28	13-4-187525	TIE BAR	1	
29	48-419-5648	SCREW 8-32X114	1	
31	13-3-187773	SPACER	1	
999	NOTE 1:	MC MODELS ONLY		
	NOTE 2:	KOMPAC MODELS		

GROUP 42 - Safety Covers

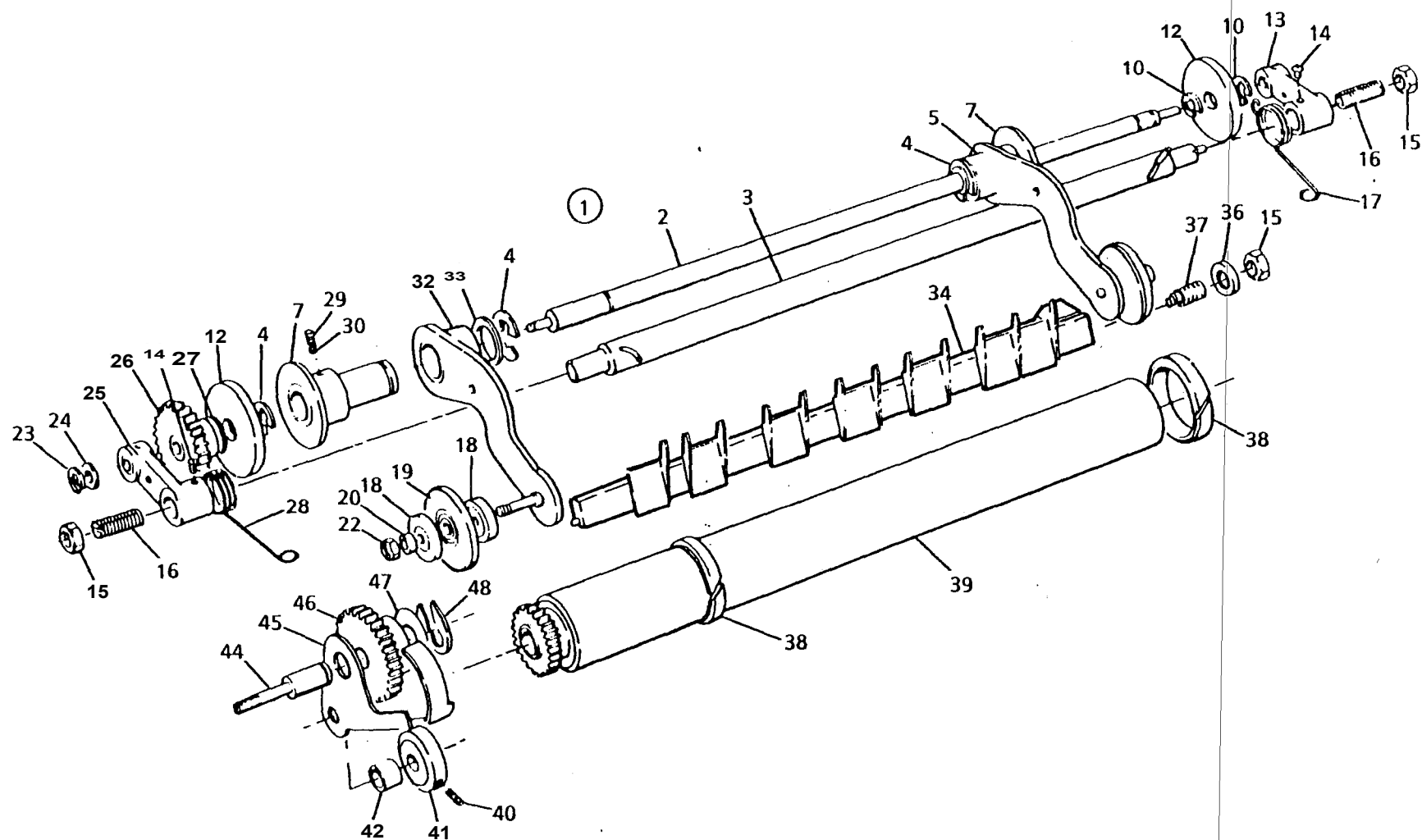
GROUP 42 - Safety Covers

KEY	PART NUMBER	DESCRIPTION	QTY NT
1	13-0-187537	COVER ASSY. REAR	1
2	13-3-187542	BRACKET, L.	
3	13-9-189823	SPACER, COVER	4
4	13-1-187544	BRACKET, R.	2
5	48-437-0328	WASHER, 1/4	8
6	305734	NUT, ELASTIC STOP	a
7	64247	TWIN, NUT SWITCH MTG.	1
8	13-6-187333	SWITCH	1
9	48-438-2028	WASHER, LOCK 44	2
II	48-437-0148	WASHER, PLAIN 44	2
12	48-406-3988	SCREW	2
13	13-8-191366	SWITCH, MC MODELS ONLY	1
	13-6-187333	SWITCH, KOMPAC MODELS	
14	13-5-187599	COVER ASSY., INK FRONT	1
15	13-9-187538	COVER	1.
16	13-7-187597	COVER, EXTENSION	1
17	13-6-187598	STRIP, COVER	1
18	91-2152	ELASTIC STOP NUT	2
19	48-425-3678	SCREW, 10-32X ⁵ / ₈	2
21	13-2-188152	PLATE ASSY., IMPRESSION	1
		INCL. 22-24	
22	13-6-188141	PLATE ASSY.	1
23	50162	NUT. KEPS 10-32	1
24	13-0-188139	GUARD, IMPRESSION LATCH	
25	48-425-2778	SCREW, TR HD 10-32X112	4
26	48-438-2068	WASHER, LOCK	4

GROUP 43 - Upper Ejector Roll Assembly

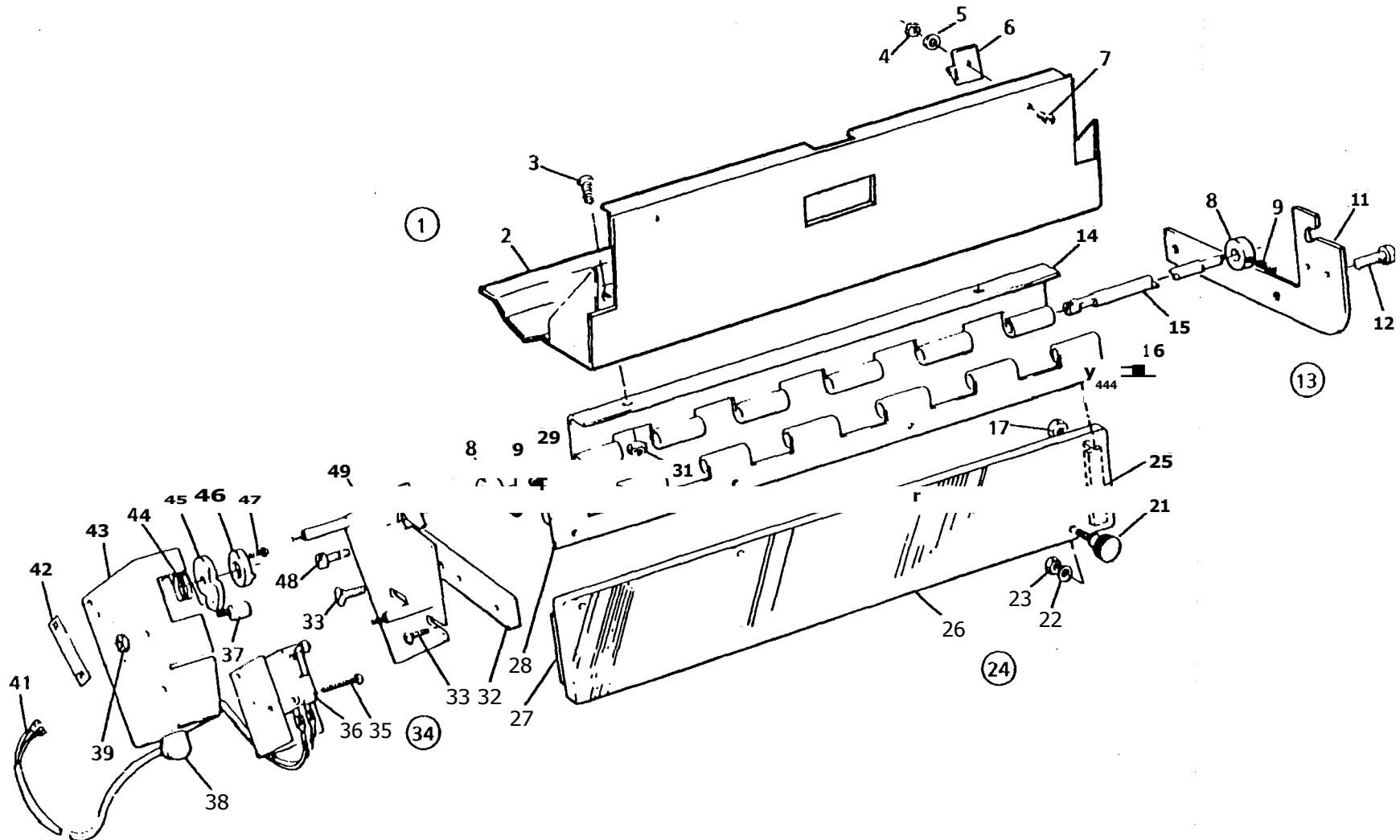
GROUP 43 - Upper Ejector Roll Assembly

KEY	PART NUMBER	DESCRIPTION	QTY NT
1	13-3-186551	ROLL ASS? EJEC.OR, UPPER	1
2	13-4-186550	SHAFT, UPPER EJECT. ROLL	1
3	296-1321	WHEEL, EJECTOR	2
4	CP-1032	COTTER PIN	2
5	296-1324	SCREW	2
6	1215-1206-A	ARM ASS?., EJECTOR ROLL	2
7	69-1165	SPRING	2
8	750-5237	RING, RETAINING	2
9	19-55	SCREW	2
11	120-9863	PLUG	2
12	11-8-150903	ROLLER, EJECTOR UPPER	2

GROUP 44- Ejector Roll Assembly

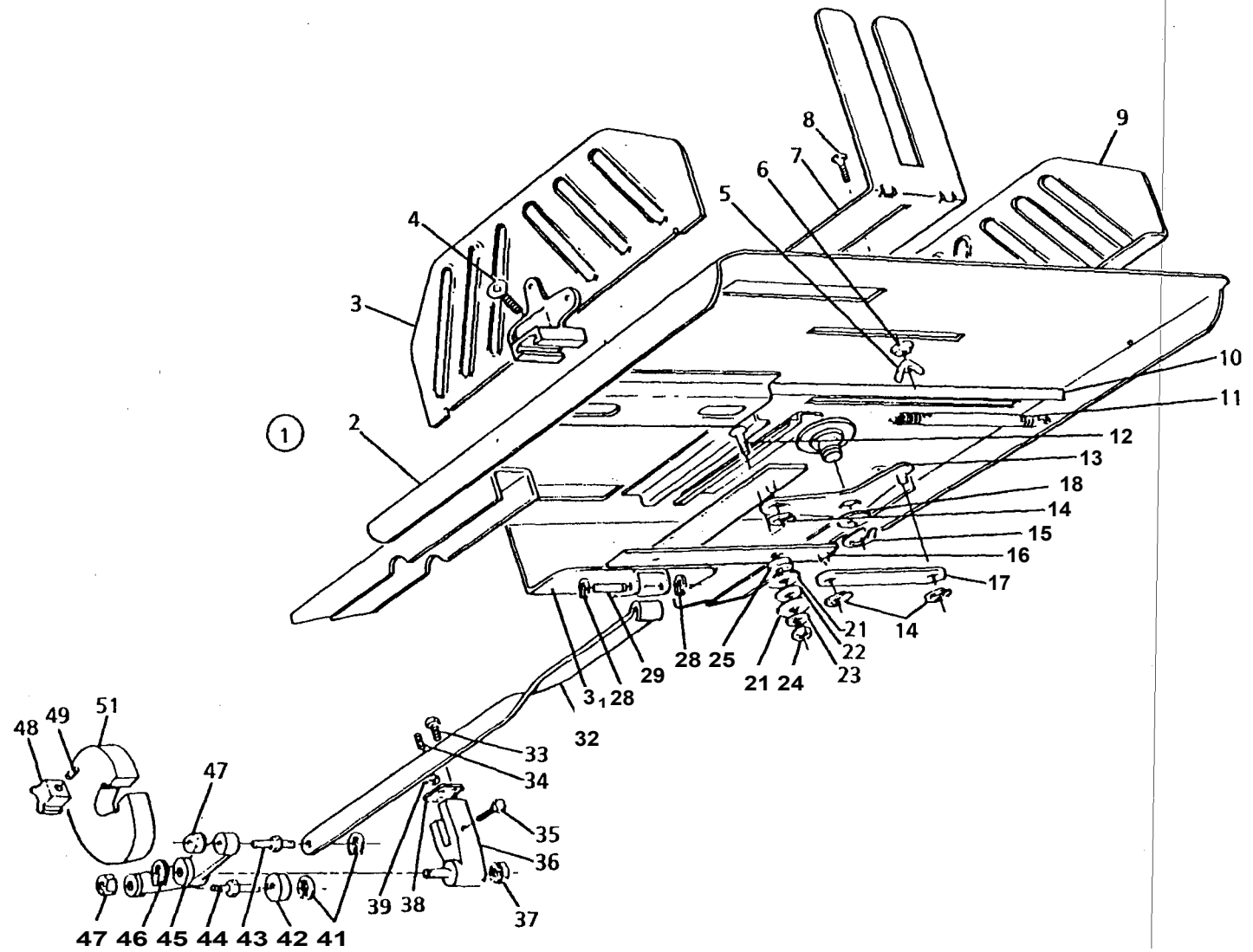
GROUP 44- Ejector Roll Assembly

KEY	PART NUMBER	DESCRIPTION	QTY NT
1	13-1-186538	ROLL ASSY. EJECTOR UPPER	1
		INCL. 2-14, 17-25, 27-33	
2	13-5-186534	SHAFT ASSY.	1
3	13-2-186537	ROD & SLEEVE ASSY.	1
4	185-3218	WASHER, C	2
5	11-4-350374	ARM ASSY. L.	1
7	13-0-144892	ROLLER. EJECTOR	2
10	50-1535	WASHER, C	3
12	11-2-150909	WHEEL, EJECTOR	2
13	13-4-144294	ARM ASSY. L	1
14	13-1-144552	SCREW, RETAINER	2
15	4-337	NUT	2
16	11-4-150923	BUSHING	2
17	13-2-144296	SPRING L.	1
18	11-5-150914	ROLLER RIDER	1
19	11-3-350375	ROLL ASSY	2
20	11-4-150915	COLLAR	2
22	91-2152	NUT...	1
23	750-5237	WASHER, C	1
24	F2-1575	WASHER, SPACING	1
25	13-5-144293	ARM ASSY., R.	1
26	11-3-150908	GEAR	1
27	PX-42	WASHER	1
28	13-3-144295	SPRING, R.	1
29	19-55	SET SCREW	2
30	120-9863	PLUG, SET SCREW	2
32	11-5-350373	ARM ASSY. R.	1
33	78-62	WASHER	1
34	13-3-186460	BAR ASSY., STRIPPER	1
36	60-57	WASHER	1
37	100-64	PIN, BEARING	1
38	296-1766	RING, EJECTOR ROLL	2
39	13-6-186541	ROLL ASSY., EJECTOR	1
40	19-55	SET SCREW	1
41	13-4-180587	COLLAR	2
42	185-9032	SPACER	1
44	13-5-186468	PIN, EJECTOR ROLL GEAR	1
45	11-9-154946	COVER ASSY. EJECTOR GEAR	1
46	13-6-191459	GEAR ASSY.	1
47	17-493	WASHER	1
48	170-1320	WASHER, C	1

GROUP 45- Cover & Exit Guard Assembly

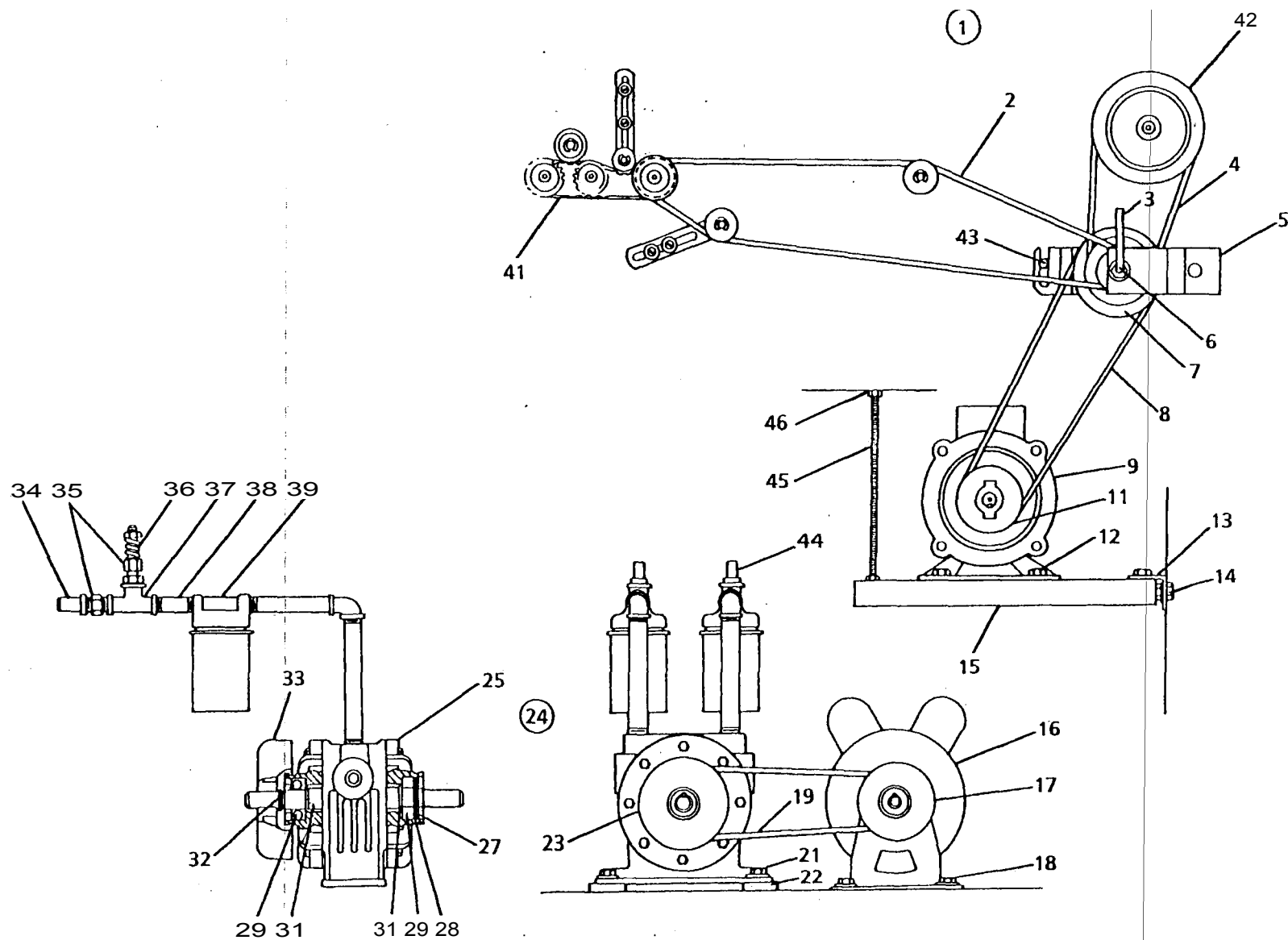
GROUP 45- Cover & Exit Guard Assembly

KEY	PART NUMBER	DESCRIPTION	QTY	NT	KEY	PART NUMBER	DESCRIPTION	QTY	NT
	13-6-196102	COVER 11 EXIT GUARD ASSY.	1		29	48-419-188C	SCREW, 4-40X3/8	2	
1	13-4-195924	COVER ASSY COMP. 2-7	1			48-438-501C	WASHER, LOCK	2	
2	13-1-196065	COVER ASSY.	1		31	301133	NUT, KEPS	2	
3	48-425-1940	SCREW	2		32	13-5-160364	SPACER BAR	1	
4	301133	NUT, KEPS 8-32	2		33	48-403-157C	SCREW	2	
5	48-437-0230	WASHER, PLAIN	2		34	13-2-196171	PAPER EXIT DOOR, INTLK.	1	
6	120-3638	SPRING	2				ENCL. 35-47		
7	48-419-154C	SCREW, 8-32X5/16	2		35	48-406-358C	SCREW, 4-40X5/8	2	
8	190-5342	COLLAR	2			A91-6083	WASHER, RETAINING	1	
9	2750-3753	SCREW	2		36	64205	SWITCH	1	
11	13-6-160371	SUPPORT	1		37	13-5-150563	SCREW, ECC.	1	
12	48-425-1940	SCREW TR HD 8-32X3/8	3			69-1240	WASHER	1	
13	13-4-188341	GUARD ASSY. EXIT 14-29	1		38	48-011-0055	STRAIN RELIEF	1	
14	13-1-188336	HINGE ASSY., UPPER	1		39	48-435-036C	NUT, 10-32	1	
15	13-5-186583	SHAFT	1			48-438-206R	LOCKWASHER *10	1	
16	48-425-2740	SCREW, 8-32X1/2			41	13-3-196170	CABLE ASSY.	1	
17	301133	NUT, KEPS 8-32	4		42	64247	TWIN NUT	1	
21	4-88	THUMBSCREW	1		43	13-9-160352	COVER, SWITCH ASSY	1	
22	0G-412	WASHER	1		44	13-5-160356	SPRING, TORSION	1	
23	0G-635	NUT	1		45	13-6-160363	CAM	1	
24	13-7-186581	GUARD ASSY., EXIT 25-27	1		46	13-8-160361	ROTATOR CAM	1	
25	13-2-160359	MAGNETIC STRIP	1		47	48-409-078C	SCREW, FT HD 4-40X3/16	2	
26	13-8-186556	GUARD, EXIT	1		48	48-406-367D	SCREW, 10-32X5/8	1	
27	13-8-188412	MAGNETIC STRIP	1		49	13-7-160495	PLATE ASSY., MTG.	1	
	13-7-188413	SHIM	1		999	13-5-186591	TINSEL HOLDER ASSY.	1	
28	13-1-160384	HINGE, LOWER	1						

GROUP 46 - Jogger Receiving Tray

GROUP 46 - Jogger Receiving Tray

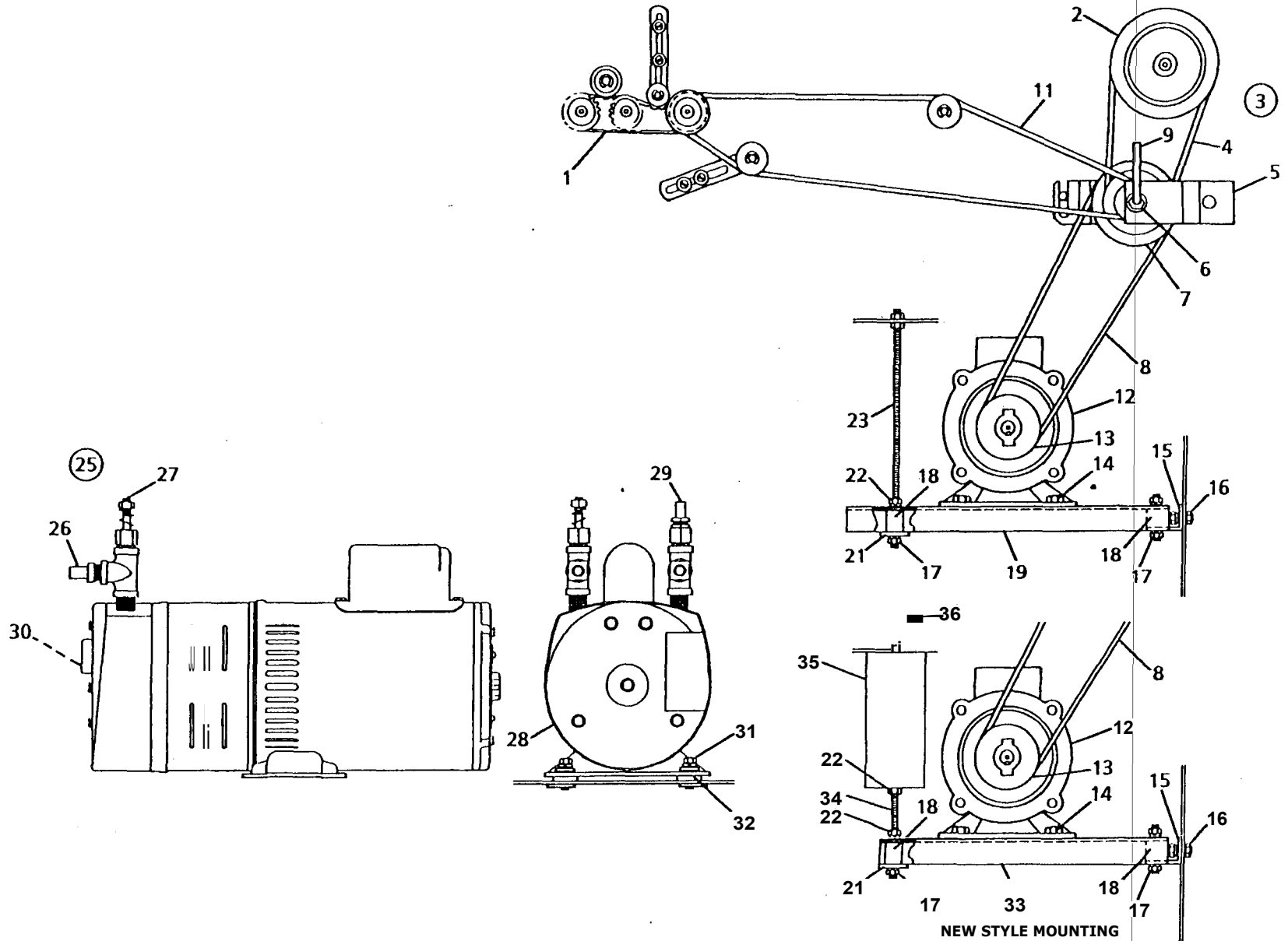
KEY	PART NUMBER	DESCRIPTION	QTY NT	KEY	PART NUMBER	DESCRIPTION	QTY NT
1	13-5-188068	TABLE ASSY., COMP. 2-31	1	29	905-9261	PIN	1
2	13-7-188066	TABLE ASSY.	1	31	13-9-191977	END JOGGER-	1
3	13-1-191985	JOGGER ASSY., SIDE	1	32	120-2335	DRIVE LINK	1
4	62-13	SCREW, 1/4-20X1	1	33	48-411-277C	SCREW	1
5	62-10	WING NUT	1		60-158	LOCK WASHER #10	2
6	60-403	WAS	1	34	71-4006	SCREW, ADJ.	1
7	13-7-191979	STOP, PAPER	1	35	EF-5001	SCREW	1
8	120-338	SCREW	1	36	121-400-A	BLOCK ASSY., INCL. 37	1
9	13-8-191978	PAPER GUIDE	1	37	190-102	NUT, 1/4-28	1
	120-20104	WING NUT 10-32	1	38	621-81	CAP	1
10	13-0-188063	SHIELD, JOGGER	1	39	XM-875	NUT, HEX	1
	48-419-194D	SCREW, PAN HD. 8-32X3/8	2	41	170-1331	WASHER, C	2
	48-438-205R	LOCK WASHER #8	2	42	621-84	ROLLER	1
	48-437-0230	WASHER, FLAT	2	43	120-236	LINK BEARING STUD	1
11	62-19	SPRING	1	44	120-235	STUD, ROLLER	1
12	F2-7022	SCREW, FT. HD 10-32X3/4	2	45	120-234-1A	LEVER ASSY. INCL. 47	1
13	120-2125-A	BELL CRANK	1	46	40-1813	WASHER, C	1
14	40-1813	C WASHER	4	47	190-102	NUT, 1/4-28	2
15	170-1320	C WASHER	1	48	185-4465	CLAMPING BLOCK	1
16	13-2-188061	CARRIER BAR	1	49	50613	SET SCREW	1
17	120-2328	LINK	1	51	185-4464	CAM	1
18	17-494	WASHER	1	999	13-2-187717	PAPER RETAINER	1
21	F2-1103	WASHER	4		4-88	SCREW	1
22	D3-2007	WASHER, FLAT	2		13-2-193889	STUD, TRAY	1
23	48-438-206R	LOCK WASHER	2		13-3-193888	PLUG	1
24	XM-875	NUT, HEX	1		40-1561	COLLAR	1
25	206-1381	COLLAR	2		19-55	SET SCREW	1
28	170-1331	C WASHER	2				

GROUP 47 - Pump, Motors & Drive Belts - 0/S

GROUP 47- Pump, Motors & Drive Belts - 0/S

KEY	PART NUMBER	DESCRIPTION	QTY NT	KEY	PART NUMBER	DESCRIPTION	QTY NT
I	13-5-195097	PULLEY ASSY MACHINE DRIVE	.1	21	13-9-193973	SCREW, HEX	4
2	108-30	CONVEYOR DRIVE BELT	1		48-437-035B	WASHER	4
3	120-5306	ELBOW 'OILER	1	22	69-8	RUBBER WASHER	4
4	120-5315	MACHINE DRIVE BELT	1	23	185-2015	PULLEY, PUMP	1
5	13-2-144999	BKT., INTER. DRIVE	1		13-8-180484	KEY	1
6	XM-149	NUT, HEX 1/2-20	1		50603	SET SCREW 10-32X1/4	1
	48-438-412A	WASHER, LOCK	1	24	13-2-196528	PUMP ASSY., FEEDER 22-44	1
	120-5305	SHAFT,, INTERMED. PULLEY	1	25	13-1-195950	PUMP	1
	170-1320	WASHER, C	1	26	13-3-191239	ROTAR ASSY.	
	KG-7309	WASHER	AR	27	13-9-193130	RING. RETAINING	
7	120-532-A	PULLEY ASSY.	1	28	13-3-193128	SPRING, BELLEVILLE	
8	216-2801	MOTOR DRIVE BELT	1		13-2-193129	WASHER, SHIM	
9	13-8-196159	MOTOR 90VDC 115V	1	29	AC-894	BEARING, BALL	
	13-5-196160	MOTOR '180VDC 220V	1	31	13-4-193127	SHIM, BEARING	
	BP5000P08	BRUSH 90VDC 115V 1HP MTR		32	13-6-193133	RING, RETAINING	
	BP5000A1108	BRUSH 180VDC 230V 1HP MTR		33	13-7-191243	FAN, PUMP, REQUIRES 132	
	BP4511A01	BRUSH CAP	2		13-0-191240	VANE COMP. NOT SHOWN	
	BP5201A11	BRUSH HOLDER	2	34	120-2023-2	CONN. SUCTION FOOT HOSE	2
11	13-7-196218	PULLEY	1	35	13-6-195963	BUSHING	4
12	48-411-4120	BOLT	4	36	13-9-202329	VALVE ASSY. VACUUM RELIEF	1
	48-436-0490	NUT	4	37	13-2-196924	TEE, BANDED	2
13	13-2-195975	ANGLE, MOTOR SHELF MTG.	1	38	13-8-195953	NIPPLE, SHORT	2
14	48-411-412C	SCREW HEX 5/16-18	4	39	13-6-195955	BOTTLE ASSY INTAKE	1
	48-438-5080	WASHER, EX. TH. LOCK	4		13-5-195956	BOTTLE ASSY EXHAUST	1
	48-436-049C	NUT. HEX 5/16-18	4			SEE 999 FOR COMPONENTS	
15	13-5-195972	SHELF: MOTOR	1	41	48-510-2015	TIMING BELT	1
16	13-1-188369	PUMP MOTOR, 50/60 HZ	1	42	13-4-196179	PULLEY, DRIVE	1
17	13-7-196218	PULLEY, 50 HZ	1	43	48-411-412D	SCREW	1
	13-1-182206	PULLEY, 60 HZ	1	44	120-7392-A	VALVE ASSY., RELIEF	
	13-8-180484	KEY	1	45	13-2-195835	ROD, MOTOR SUPPORT	2
	A4A-2704	SET SCREW, 60 HZ ONLY	1	46	48-436-049C	NUT, HEX 5/16-18	a
18	48-441-412B	SCREW	4	999	13-8-193123	JAR, POLYPROPYLENE	2
	48-437-0358	WASHER	4		13-5-193118	FILTER ASSY, INTAKE	1
19	120-5312	V BELT, PUMP 60 HZ	1		13-4-193119	FILTER ASSY, EXHAUST	1
	120-5311	V BELT, PUMP 50 HZ	1		13-1-193120	FILTER p-V?49,	2

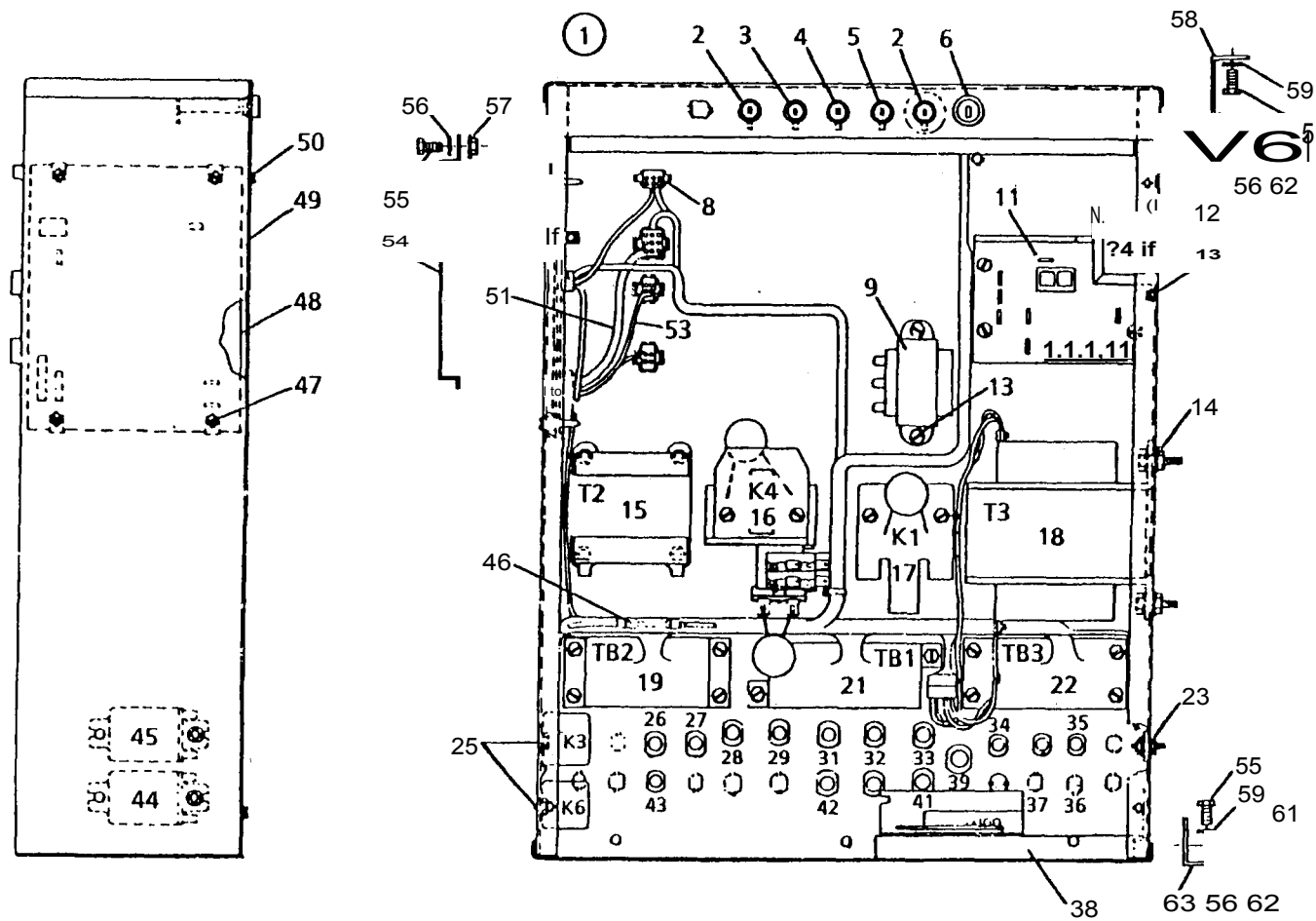
GROUP 47A - Pump, Motors & Drive Belts - N/S



GROUP 47A - Pump, Motors & Drive Belts - N/S

KEY	PART NUMBER	DESCRIPTION	QTY	NT
1	48-510-2015	TIMING BELT	1	
2	13-4-196179	PULLEY, DRIVE	1	
3	13-5-195097	PULLEY ASSY. MACH. DRIVE	1	
		INCL. 4-11		
4	120-5315	MACHINE DRIVE BELT	1	
5	13-2-144999	BRACKET	1	
6	XM-149	NUT, HEX 1/2-20	1	
	48-438-412A	WASHER, LOCK	1	
	120-5305	SHAFT, INTERMED. PULLEY	1	
	170-1320	WASHER, C	1	
	KG-7309	WASHER	AR	
7	120-532-A	PULLEY ASSY.	1	
8	216-2801	MOTOR DRIVE BELT	1	
9	120-5306	ELBOW OILER	1	
11	108-30	CONVEYOR DRIVE BELT	1	
12	13-5-196160	MOTOR, 180VDC 220V	1	
	BP5000AW14	BRUSH	1	
	BP4511A01	BRUSH CAP	2	
	BP5201A11	BRUSH HOLDER	2	
13	13-7-196218	PULLEY	1	
14	48-411-412D	BOLT	4	
	48-436-049D	NUT	4	
15	13-9-208656	ANGLE, MOTOR SHELF	1	
16	48-411-412C	SCREW, HEX 5/16-18	4	
	48-438-5088	WASHER, EXT LOCK	4	
	48-436-049C	NUT, HEX 5/16-18	4	
17	48-435-051D	NUT, HEX 3/8-16X.24	4	
	50032	LOCKWASHER	4	
18	13-2-198185	ISOLATOR	4	
19	13-7-208658	SHELF, MOTOR	1	
21	13-8-208657	SUPPORT BAR, ISOLATOR	1	
22	48-436-049C	NUT, HEX 5/16-18	1	0
23	13-2-195835	ROD, MOTOR SUPPORT	2	
25	13-7-209193	PUMP 8 MOTOR ASSY. COMP	1	
26	120-2023-2	CONN. SUCTION FOOT HOSE	2	
27	13-9-202329	VALVE RELIEF, VACUUM	1	
28	13-6-198181	PUMP & MOTOR	1	
29	120-7392-A	VALVE ASSY., RELIEF	1	
* 30	AK524	FILTER - FeLl 5Pcic.,E4L	2	
31	13-9-193973	SCREW, HEX 5/16	4	
	48-437-0358	WASHER, FLAT	4	
32	69-8	WASHER, RUBBER	4	
33	13-1-209850	SHELF MTR. MTG. (SHORT)	1	
34	13-6-208659	ROD, THREADED 5/16-18X4.0	2	
35	13-9-209852	SPACER	1	
36	48-411-412c	SCREW, HEX 5/16-18	2	
	48-438-5088	WASHER, LOCK EXT TH	2	
*	i			

Ind cates Change

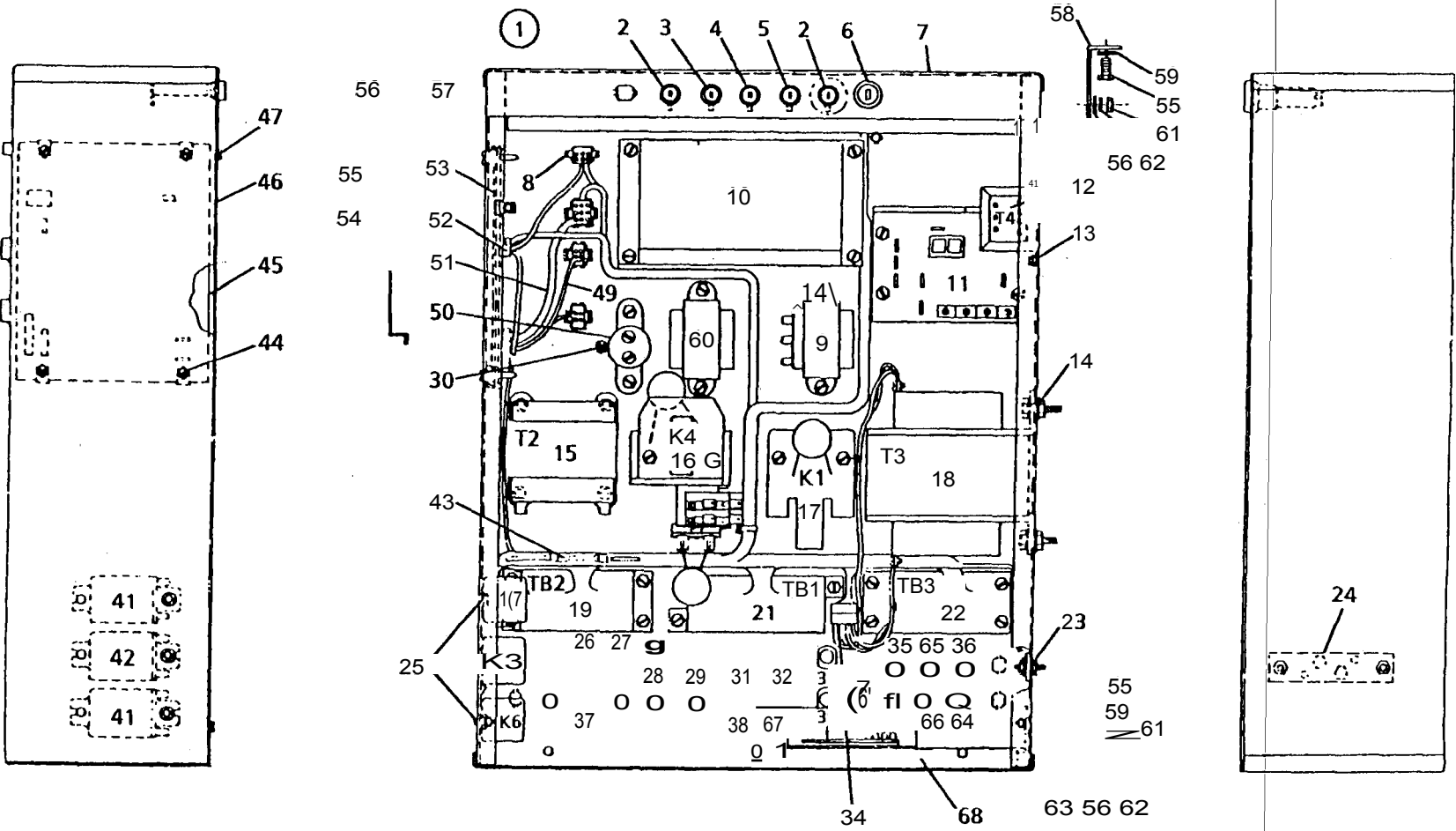
GROUP 48 - Power Box Assembly

GROUP 48- Power Box Assembly

KEY	PART NUMBER	DESCRIPTION	QTY	NT	KEY	PART NUMBER	DESCRIPTION	QTY	NT
1	13-3-196600	POWER BOX ASSY.	1		29	13-0-196157	CABLE. DC DRIVE	1	
2	48-123-0122	INCL. 2 - 53			31	13-7-196044	CABLE, PUMP MOTOR	1	
3	48-123-0032	FUSE, 3A, 250V NORM BLOW	2		32	13-5-196046	CABLE, FAN	1	
4	13-0-184419	FUSE, 7A, 250V SLOW BLOW	1		33	13-2-196023	CABLE, 12 POS CHTRL PANEL	1	
	48-123-0022	FUSEHOLDER W/NUT	5		34	13-4-196039	CABLE, E-STOP	1	
	13-9-184071	FUSE 1.5A 250V SLOW BLOW	1		35	13-9-196042	CABLE, TOP COVER	1	
5	48-123-0029	FUSE CARRIER	5		36	13-7-196168	CABLE, HANDWHEEL SOL.	1	1
6	13-0-183544	FUSE 4A 250V SLOW BLOW	1		37	13-3-182188	CABLE, HANDWHEEL SWITCH	1	1
8	48-080-0114	SWITCH, KEYLOCK W/NUT	1		38	13-3-207621	CONTROL. MOTOR 24VDC	1	
9	13-0-196637	115G., SOCKET 6 POS	1			48-402-192C	SCREW, SEMS 6-32X3/8	1	
11	13-2-196247	TRANSFORMER	1		39	13-2-196148	SWITCH ASSY., POWER	1	1
	48-412-1140	CONTROLLER, MAIN 180 VDC	1			48-011-0013	STRAIN RELIEF	1	
12	13-7-196804	SCREW, SLT HEX 8-32X1/4	4		41	13-5-196038	CABLE, INCHING	1	
13	48-412-1120	TRANSFORMER	1		42	13-5-196145	CABLE ASSY. LIGHT FIXTURE	1	
14	48-412-370D	SCREW, SIT HEX 6-32X1/4	6			48-011-0011	STRAIN RELIEF	1	
	48-412-370D	SCREW, HEX 1/4-20X5/8	4		43	13-7-196648	CABLE ASSY., SENSOR	1	
	48-437-0320	WASHER, FLAT	4			48-011-0007	STRAIN RELIEF	1	
	660-139	NUT, KEPS	4		44	48-210-0201	RELAY	1	
15	13-0-196041	TRANSFORMER	1		45	13-0-196009	RELAY 24VDC	1	1
	13-6-207859	STRAP, MEG.	2		46	13-8-196811	WIRE, JUMPER	1	1
	48-438-504R	WASHER, LOCK STAR	4		47	13-2-195306	STANDOFF	4	
	301133	NUT, KEP5	4			64266	SCREW, SELF-TAP 6-32X1/4	4	
16	13-0-198831	RELAY ASSY.	1		48	13-5-196590	DOUBLES PC BD ASSY.	1	
	13-1-207599	NUT BAR	1		K 49	13-6-196839	COVER	1	
	48-412-2740	SCREW, SIT HEX 8-32X1/2	2		* 50	48-423-084E	SCREW, PHIL 8-32-1/4	4	
	48-437-0238	WASHER, PLAIN	2			48-438-405R	WASHER, LOCK	4	
	48-438-2058	WASHER, LOCK	2		51	13-1-196800	HARNESS ASSY. DBLES. DET.	1	
17	13-0-182363	RELAY	1		52	13-7-196713	INSULATOR, DBL. PC BD	1	
	13-2-206665	VARISTOR	1		53	13-0-196801	HARNESS, DBLE. PHOTO	1	
	48-412-2740	SCREW, SIT HEX 8-32X1/2	2		54	13-8-193289	COVER, CARE	1	
18	13-1-196636	TRANSFORMER, 220V	1		55	48-412-280C	SCREW, HEX 1/4-20X1/2	9	
19	E131-81	BLOCK ASSY., TERMINAL	1		56	48-437-032C	WASHER, FLAT	9	
	48-412-402D	SCREW, SIT HEX 6-32X3/4	4		57	6400-610	NUT, KEPS 1/4-20	3	
21	13-4-160886	BLOCK ASSY., TERMINAL	1		58	13-9-195804	BRACKET, TOP	1	
22	13-5-172484	BLOCK ASSY., TERMINAL	1		59	48-438-507A	LOCKWASHER, EXT.	6	
	48-412-402D	SCREW, SIT HEX 6-32X3/4	4		61	48-435-043C	NUT, HEX 1/4X20	6	
23	301133	NUT, KEPS 8-32	6		62	48-438-208R	WASHER, SPLIT LOCK	6	
24	13-6-180635	PLATE, GROUNDING	1		63	13-0-195803	BRACKET, BOTTOM	1	
25	48-412-1120	SCREW, SIT HEX 6-32X1/4	2		999	13-9-194070	ADAPTOR, POWER	1	
26	13-9-196166	CABLE, LEFT DOOR INTLK.	1	1		13-3-196402	POWER CORD	1	
	13-8-209192	INTLK. ASSY. L. DOOR N/5	1			48-423-27711	SCREW. 10-32X1/2	2	
it 27	13-8-196167	CABLE, RIGHT DOOR INTLK.	1	2		NOTE: 1	OPTIONAL CABLES		
	13-6-209111	INTLK. ASSY. R. DOOR N/5	1	2	X	NOTE: 2	SEE GP. 53, 118		
28	13-6-196045	CABLE, CHAIN	1						

Indicates Change

GROUP 48A - Power Box Assembly, MC



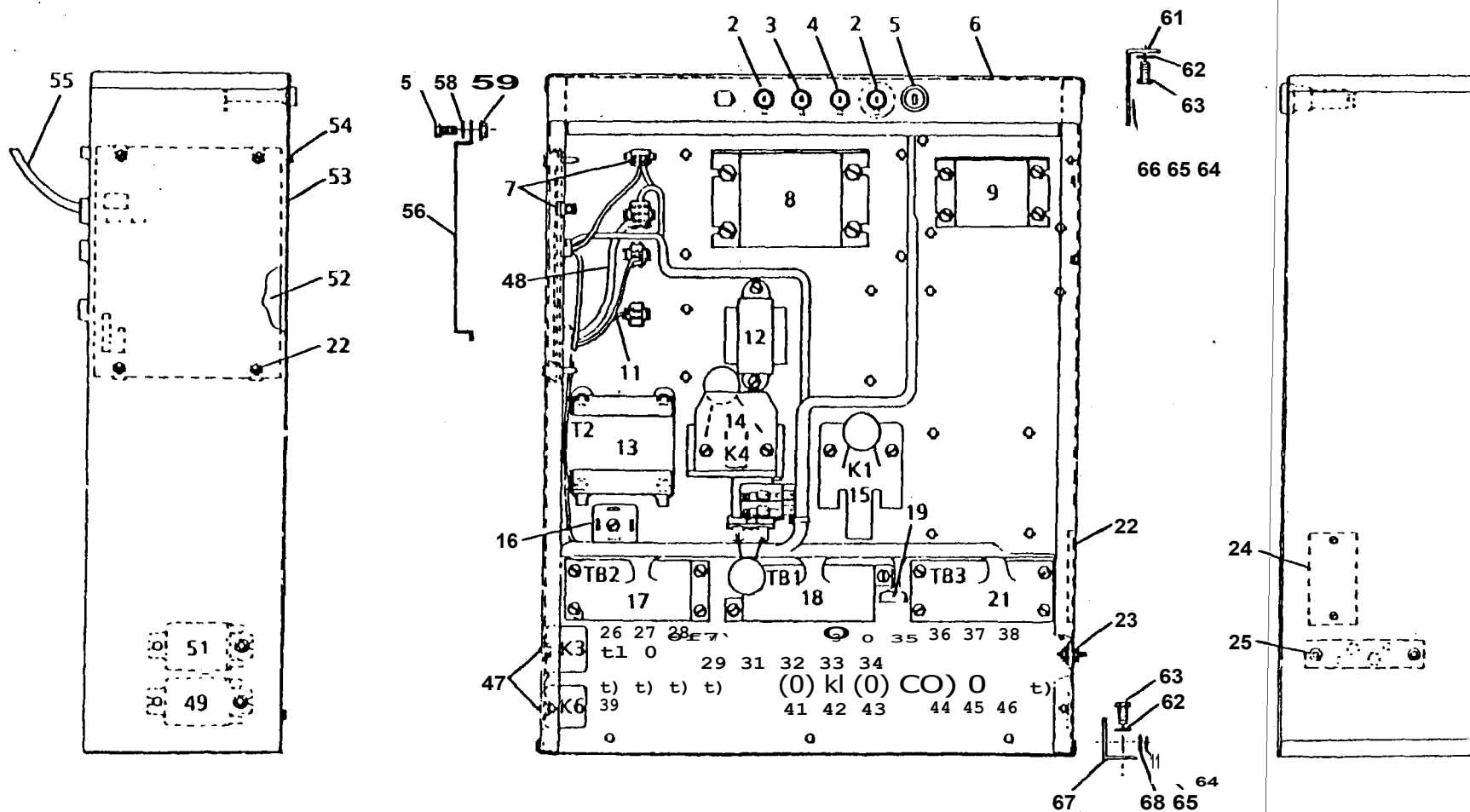
GROUP 48A - Power Box Assembly, MC

KEY	PART NUMBER	DESCRIPTION	QTY	NT	KEY	PART NUMBER	DESCRIPTION	QTY	NT
1	13-6-196599	POWER BOX, MC	1		31	13-7-196044	CABLE. PUMP MOTOR	1	
2	48-123-0122	FUSE, 3A 250V NORM. BLOW	2		32	13-5-196046	CABLE, FAN	1	
3	48-123-0032	FUSE, 7A 250V SLOW BLOW	1		33	13-2-196023	CABLE, 12 PUS CNTL PANEL	1	
4	13-9-184071	CARRIER, FUSE	5		34	13-1-191173	CAP. 12 PUS	1	
	13-0-184419	FUSEHOLDER	5		35	13-4-196039	CABLE, E-STOP	1	
	48-123-0022	FUSE 1.5A 250V SLOW BLOW	1		36	13-9-196042	CABLE. TOP COVER	1	
5	48-123-0029	FUSE, 4A 250V SLOW BLOW	1		37	13-7-196648	CABLE ASSY, SENSOR	1	
6	13-0-183544	SWITCH, KEYLOCK	1			48-011-0007	STRAIN RELIEF	5	
7	13-1-195851	POWER BOX	1		38	13-5-196145	CABLE, LIGHT FIXTURE	1	
8	48-080-0114	HOUSING. SOCKET 6 PUS	1			48-011-0011	STRAIN RELIEF	7	
9	13-0-196637	TRANSFORMER	1		39	13-5-196038	CABLE. INCHING	1	
	48-412-1120	SCREW SLT HEX 6-32X1/4	2		40	13-2-196148	SWITCH ASSY., POWER	1	
10	13-7-196853	POWER SUPPLY, CMI CNTRLR	1			48-011-0013	STRAIN RELIEF	1	
	48-412-1140	SCREW SLT HEX 8-32X1/4	4		41	48-210-0201	RELAY, 24 VAC	1	
11	13-2-196247	CONTROLLER 230V MOTOR	1		42	13-0-196009	RELAY, 24 VAC	1	
	48-412-1120	SCREW SLT HEX 8-32X1/4	1		43	13-8-196811	WIRE. JUMPER SSR	1	
12	13-7-196804	TRANSFORMER 230V - 24V	1			48-412-2740	SCREW, SLT HEX 8-32X1/2	1	
13	48-412-1120	SCREW, SLT HEX 6-32X1/4	2		44	13-2-195306	STANDOFF	4	
14	48-412-3700	SCREW, HEX 1/4-20X5/8	4			64266	SCREW, SELF TAP 6-32X1/4	4	
	48-437-032D	WASHER, FLAT 1/4	4		45	13-5-196590	DBLS. PC BD, MECH.	1	
	660-139	NUT, KEPS	4		46	13-6-196839	COVER	1	
15	13-0-196041	TRANSFORMER 11 ⁵ / ₂ 30V	1		47	48-423-084E	SCREW, PHIL 8-32X1/4	4	
	301133	NUT, KEPS 8-32	4			48-438-405R	WASHER, LOCK	4	
16	13-0-198831	RELAY, K4/K4A	1		49	13-0-196801	HARNESS, DBLS PHOTO	1	
	13-4-195825	RELAY. K4 0/5	1		50	13-7-192126	CAPACITOR	1	
	13-1-207599	NUT BAR	1			13-8-169016	BKT., CAPACITOR	1	
	48-412-274D	SCREW. 8-32X1/2	2			48-422-1170	SCREW, RD 10-32X1/4	2	
	48-437-023B	WASHER, PLAIN	2			48-438-406R	WASHER LOCK INT TN	2	
	48-438-2058	WASHER LOCK	2			48-412-1140	SCREW, CAP. BKT	2	
17	13-0-182363	RELAY DPST	1		51	13-1-196800	HARNESS, DBLS POWER	1	
	13-2-206665	VARISTOR ASSY. (LONG LEAD	1		52	48-080-0113	HOUSING, SOCKET 4 POS	1	
	48-412-2740	SCREW, SLT HEX 8-32X1/2	2		53	13-7-196713	INSULATOR, DBLS PC BD.	1	
18	13-1-196636	TRANSFORMER, 220V	1		54	13-8-193289	CABLE COVER	1	
19	E131-81	BLOCK, TERMINAL	1		55	48-412-280C	SCREW, HEX 1/4-20X1/2	3	
	48-412-4020	SCREW, SLT HEX 6-32X3/4	4		56	48-437-032C	WASHER. FLAT 1/4	3	
21	13-4-160886	BLOCK, TERMINAL	1		57	6400-610	HUT, KEPS 1/4-20	3	
	48-412-4020	SCREW, SIT HEX 6-32X3/4	2		58	13-9-195804	BKT., TOP	1	
22	13-5-172484	BLOCK, TERMINAL	1		59	48-438-507A	WASHER, LOCK 1/4	3	
	48-412-4020	SCREW, SLT HEX 6-32X3/4	4		60	13-9-196810	CHOKE ASSY.	1	
23	301133	NUT. KEPS 8-32	4			48-412-1120	SCREW, SLT HEX 6-32X1/4	2	
24	13-6-180635	PLATE, GROUNDING	1		61	48-435-043C	NUT, HEX 1/4-20	6	
25	48-412-1120	SCREW, SLT HEX 6-32X1/4	3		62	48-438-208R	WASHER, SPLIT LOCK 1/4	6	
x 26	13-9-196166	CABLE, LEFT DOOR MILK.	1	2	63	13-0-195803	BKT., BOTTOM	1	
	13-8-209192	HULK. ASSY. L. DOOR H/S	1	2	64	13-7-196168	CABLE HANDWHEEL SOL.	1	1
27	13-8-196167	CABLE. RIGHT DOOR INTLK.	1	2	65	13-1-196040	CABLE CMI SPEED POT.	1	1
	13-6-209111	INTLK. ASSY. R. DOOR N/S	1	2	66	13-3-182188	CABLE HANDWHEEL SW.	1	1
28	13-6-196045	CABLE, CHAIN	1		67	13-3-196154	CABLE CMI MOTOR	1	1
29	13-0-196157	CABLE, DC DRIVE	1		68	13-3-207621	INCHING CONTROLLER	1	
30	48-412-2720	SCREW, SLT HEX 6-32X1/2	1			48-402-192C	SCREW, SEMS 6-32X3/8	1	
	50109	NUT, KEPS 6-32	1		999	48-250-0003	STRAP. PLASTIC CABLE	25	
						13-3-196402	POWER CORD	1	
						NOTE 1:	OPTIONAL CABLES		
						NOTE 2:	SEE GP. 53. KEY 8 & 35		

*

Indicates Change

GROUP 48B - Power Box Assembly, 115V



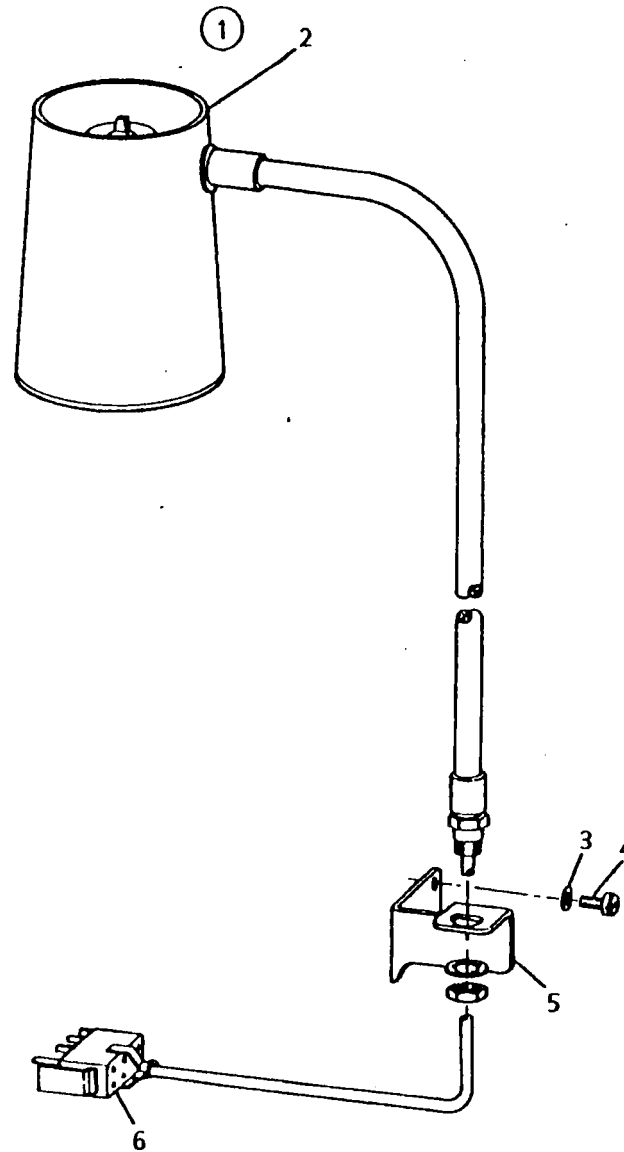
GROUP 48B - Power Box Assembly, 115V

KEY	PART NUMBER	DESCRIPTION	QTY	NT	KEY	PART NUMBER	DESCRIPTION	QTY	NT
2	48-123-0130	FUSE, 15A	1		31	13-0-196157	DC DRIVE CABLE	1	
3	13-9-184071	FUSE CARRIER	4		32	13-7-196044	PUMP MOTOR CABLE	1	
	48-123-0118	FUSE, 1.5A TIME DELAY	1		33	13-5-196046	FAN CABLE AS	1	
	13-0-184419	FUSE HOLDER	4		34	13-2-196023	CABLE, CONTROL PANEL	1	
4	48-123-0029	FUSE. 4A SLO-BLO	1		35	13-2-196148	POWER SWITCH ASSY.	1	
5	13-0-183544	SWITCH, KEYLOCK	1			48-011-0013	STRAIN RELIEF	1	
6	13-1-195851	POWER BOX	1		36	13-4-196039	E-STOP CABLE	1	
7	48-080-0114	USG., SOCKET 6 POS.	2		37	13-1-196040	CMI SPEED POT. CABLE	1	
8	13-7-196853	POWER SUPPLY CMI CHTRLR.	1				MC MODEL ONLY		
	13-7-192126	CAPACITOR 5/N 398890 UP	1		38	13-9-196042	TOP COVER CABLE	1	
	13-8-192406	CHOKE 5/N 398890 & UP	1		39	VENDOR SUPPLIED	POWDER SPRAY SW. CABLE	1	1
9	13-0-196249	CONTROLLER MTR. 60HZ 115V	1		41	13-5-196145	LIGHT FIXTURE CABLE	1	
11	13-9-196034	HARNESS ASSY. DBLS PHOTO	1			48-011-0011	STRAIN RELIEF	1	
12	13-9-188742	TRANSFORMER	1		42	13-3-196154	CMI MOTOR CABLE - MC ONLY	1	
	48-412-1120	SCREW. SLOT 6-32X1/4	2		43	13-5-196038	INCHING CABLE	1	
13	13-0-196041	TRANSFORMER ASSY IN. SW.	1		44	13-9-196158	THERMAL CABLE	1	
	48-435-0310	HUT, HEX 8-32				48-011-0007	STRAIN RELIEF	1	
14	13-5-198711	RELAY, K4	1		45	13-3-182188	HANDWHEEL SW. CABLE	1	1
	13-4-195825	RELAY, K4 0/5	1		46	13-7-196168	HANDWHEEL SOL. CABLE	1	1
	13-5-196434	MOV	1		47	48-412-1120	SCREW, SLOT HEX 6-32X1/4	3	
	48-412-2740	SCREW, SLOT HEX 8-32X1/2	2		48	13-0-196033	HARNESS ASSY. DBLS. POWER	1	
	13-1-207599	HUT BAR	1		49	48-210-0201	RELAY, 24 VAC	1	
	48-437-0235	WASHER, PLAIN CI	2				MC MODELS QTY. 2		
	48-438-2055	WASHER, LOCK 101	2			13-5-196434	MOV	1	
15	13-0-182363	RELAY. DPST	1		51	13-0-196009	RELAY, 24 VAC, PUMP	2	
	48-412-2740	SCREW, SLOT HEX 8-32X1/2	2		52	13-8-196019	DBLES PC BD ASSY.	1	
	13-5-196434	MOV	1		53	13-7-195806	COVER	1	
16	13-1-202947	RECTIFIER, 15A	1		54	48-423-084E	SCREW, PHIL 8-32X1/4	4	
	48-412-3648	SCREW, HEX 8-32X5/8	1			48-438-405R	WASHER, LOCK	4	
17	E131-81	BLOCK ASSY., TERMINAL	1		55	13-3-196022	CABLE, 9 PUS CHTRL PANEL	1	
	48-412-272D	SCREW, SLOT HEX 6-32X1/2	4		56	13-8-193289	CABLE COVER	1	
18	13-4-160886	BLOCK, TERMINAL	1		57	48-412-280C	SCREW, HEX 1/4-20X1/2		
	48-412-4025	SCREW, SLOT HEX 6-32X3/4	2		58	48-437-032C	WASHER, FLAT 1/4	3	
19	13-1-191173	CAP. 12 POS.	2		59	6400-610	NUT. KEPS 1/4-20	3	
21	13-5-172484	BLOCK, TERMINAL	1		61	13-9-195804	BRACKET, TOP	1	
	48-412-2720	SCREW. SLOT HEX 6-32X1/2	4		62	48-438-507A	LOCKWASHER 1/4	3	
22	13-2-195306	STANDOFF	6		63	48-412-280C	SCREW. HEX 1/4-20X1/2	3	
	64266	SCREW, 6-32X1/4	6		64	48-435-043C	HUT, HEX 1/4-20	6	
23	48-435-0310	HUT. HEX 8-32	4		65	48-438-208R	WASHER, SPLIT LOCK 1/4	6	
24	13-6-196029	TERMINAL STRIP, NON-ROTATING HANDW-EEL	1		66	48-437-032C	WASHER, FLAT 1/4	6	
		PLATE ASSY., GROUNDING	1		67	13-0-195803	BRACKET, BOTTOM	1	
25	13-6-180635	2ND HD INTERLOCK CABLE	1	1	999	13-9-194070	ADAPTOR. POWER	1	
26	13-2-189853	LEFT DOOR CABLE ASSY.	1			13-4-196153	TRANSFORMER, 50 HZ	1	
27	13-9-196166	RIGHT DOOR CABLE ASSY.	1			48-423-277B	SCREW, 10-32X1/2	2	
28	13-8-196167	CHAIN CABLE	1			NOTE 1:	OPTIONAL CABLES		
29	13-6-196045		1						

1450/1650

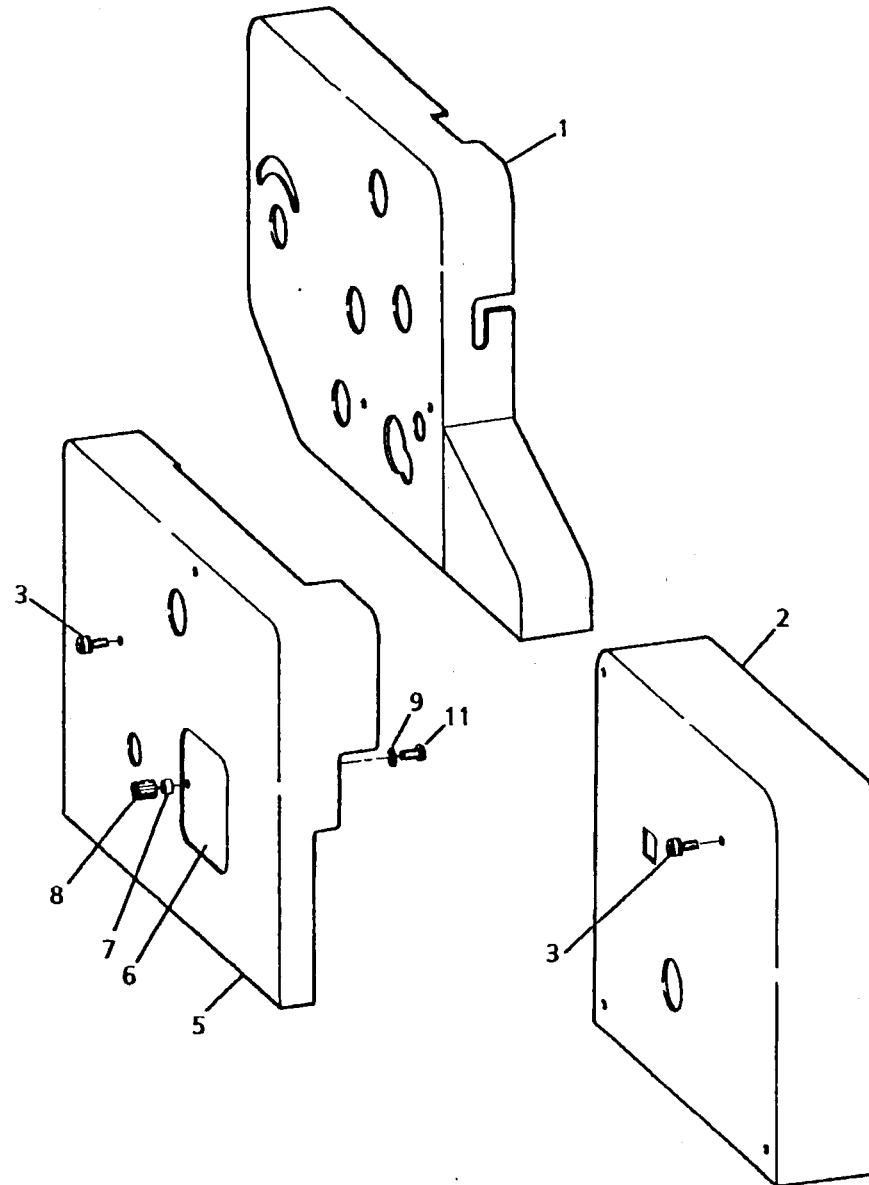
HP-4345-

GROUP 49- Light Fixture



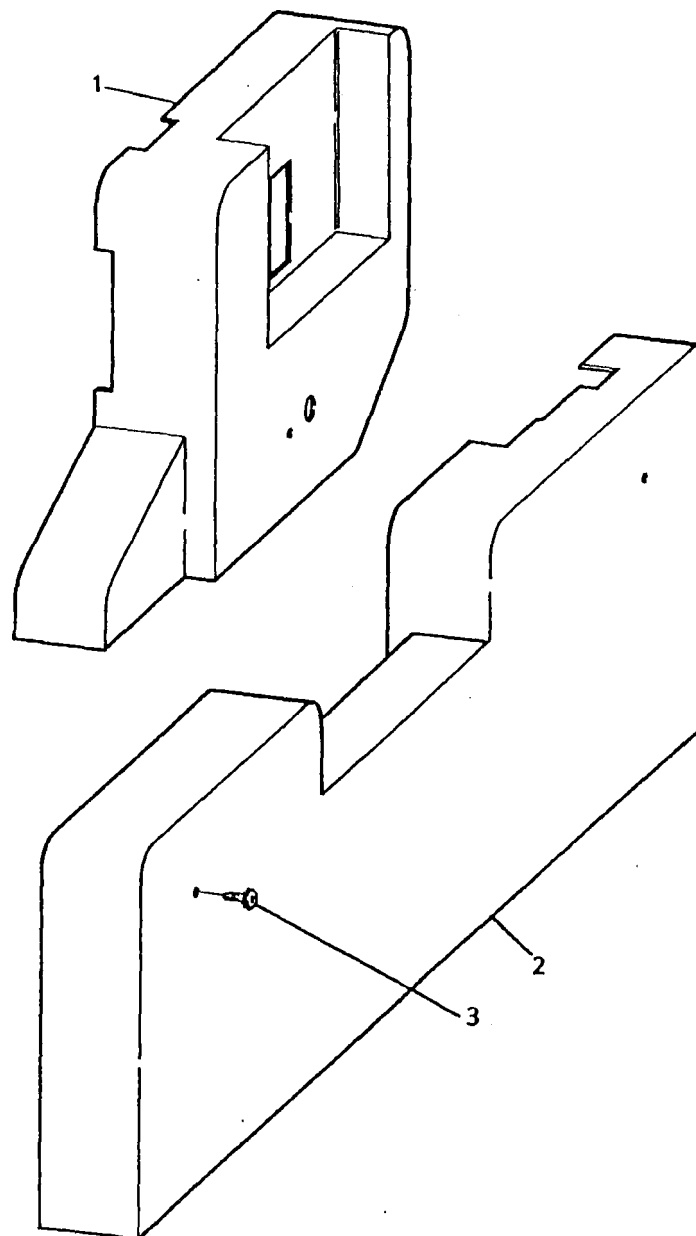
GROUP 49- Light Fixture

KEY	PART NUMBER	DESCRIPTION	QTY NT
1	13-3-206979	LIGHT FIXTURE ASSY. COMP.	1
2	13-7-188124	LIGHT FIXTURE	1
3	48-438-2088	LOCKWASHER, 1/4	2
4	48-411-2818	SCREW, 1/4-28X1/2	2
5	13-2-195405	BRACKET, LIGHT FIXTURE	1
6	13-1-194094	CONN. PLUG, 6 PIN	1
	13-2-194093	SOCKET, 6 PIN LAMP	1

GROUP 50 - Covers, Left

GROUP 50- Covers, Left

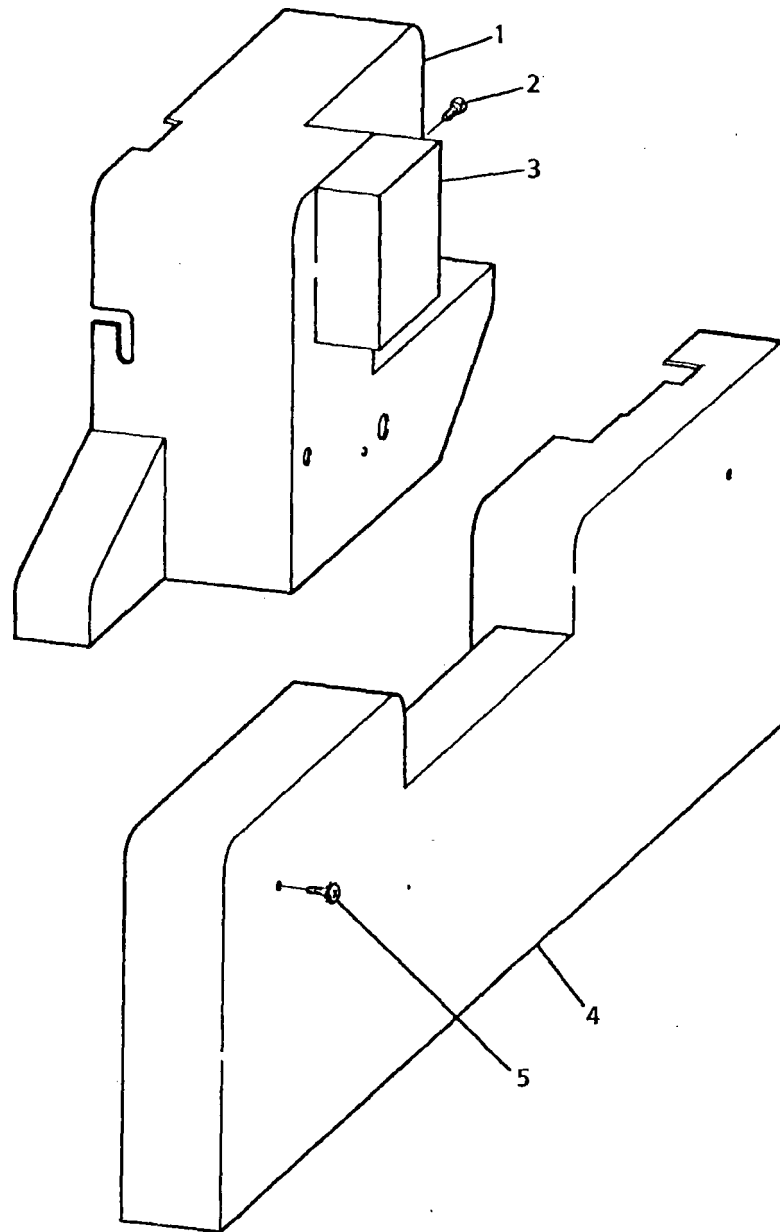
KEY	PART NUMBER	DESCRIPTION	QTY	NT
1	13-4-208297	COVER INK LEFT 1450/1650	1	
	13-5-208700	COVER INK L. 1450K/1650K		
	13-5-195949	COVER INK L. 1650MC	1	
2	13-9-208250	COVER ASSY. L. FRONT	1	
3	13-4-208214	SCREW, SEMS 10-32X3/8	1	
5	13-6-208279	COVER, L. RR. CTR. BASIC	1	
	13-8-195979	COVER, XE & MC	1	
6	13-7-208278	DOOR ASSY. IMP. CYL. ADJ.	1	
7	3A-4934	COLLAR	1	
8	120-9053	KNOB	1	
9	48-438-204A	WASHER, LOCK	1	
11	48-406-272D	SCREW, 6-32X1/2	1	
999	13-0-193915	BKT. COVER MTG. 0/S	2	
	48-411-4108	SCREW, 1/4-20X3/4 0/S	2	
*	13-9-195960	NAMEPLATE INSERT, BASIC		
*	13-8-195961	NAMEPLATE INSERT, XE	1	
	13-7-195962	NAMEPLATE INSERT, MC	1	
	13-9-208698	NAMEPLATE INSERT, K	1	
*	13-9-208276	INSERT, BASIC 1450		
	13-5-208940	INSERT, 1450K		
	NOTE 1:	MODEL 1650		
*	Indicates Change			

GROUP 51 - Covers, Right - Basic, XE, Kompac

GROUP 51 - Covers, Right - Basic, XE, Kompac

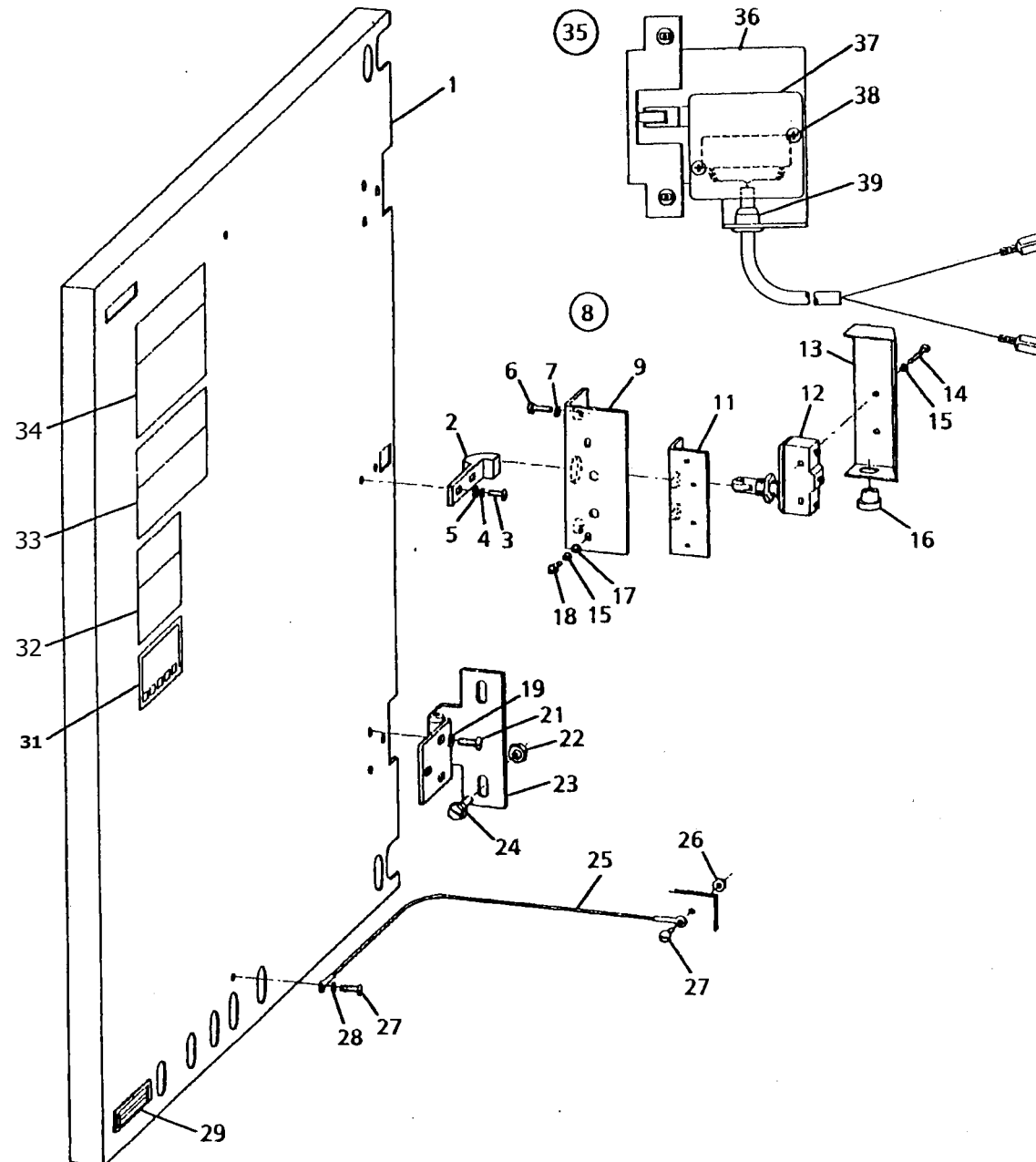
KEY PART NUMBER		DESCRIPTION	QTY NT
1	13-0-188568	COVER ASSY. INK R.	1
	13-0-208705	COVER ASSY., KOMPAC MODEL	1
2	13-1-208274	COVER ASSY., ALL	1
3	13-4-208214	SCREW, SEM 10-32X3/8	2

GROUP 52 - Covers, Right - MC



GROUP 52 - Covers, Right - MC

KEY	PART NUMBER	DESCRIPTION	QTY NT
1	13-9-191308	COVER ASSY COMP. INK R.	1
2	48-419-154C	SCREW, PAN HD. 8-32X5/16	
	XM-261	WASHER, PLAIN	1
3	13-3-191312	CAP, MOTOR	
4	13-0-196686	COVER ASSY., RI CENTER	1
5	13-4-208214	SCREW, SEMS 10-32X3/8	2
999	13-4-196104	PLUNGER CAN BKT., N/S	1
	120-4355	PLUNGER CAN	1

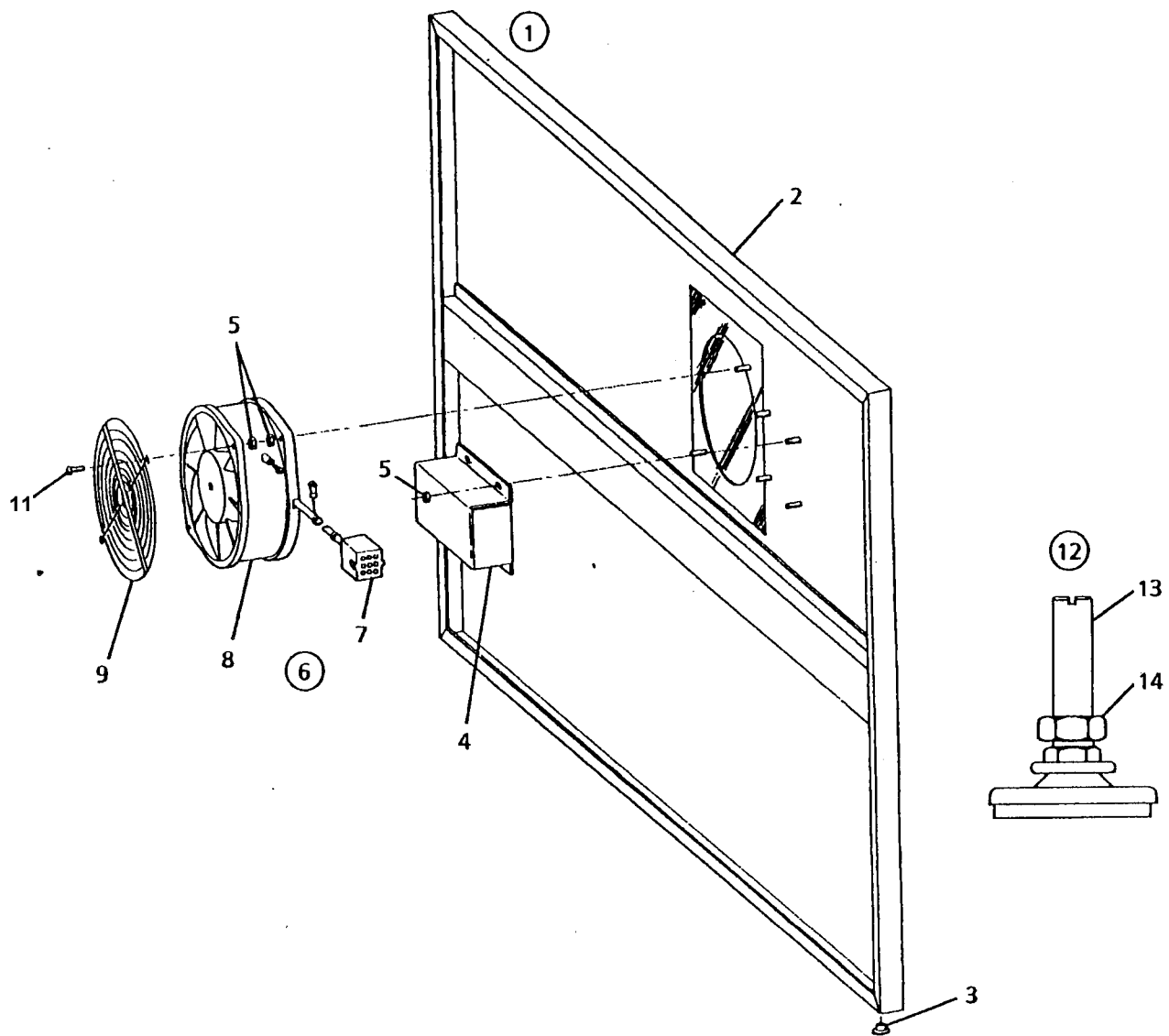
GROUP 53 - Doors & Interlock Assemblies

GROUP 53- Doors & Interlock Assemblies

	KEY	PART NUMBER	DESCRIPTION	QTY	NT
	1	13-9-208284	DOOR ASSY.	2	
	2	13-9-197370	CAM, DOOR INTERLOCK	1	
	3	48-425-194D	SCREW, TRUSS 8-32X3/8	4	
	4	48-438-5048	LOCKWASHER #8	4	
	5	48-437-023D	FLAT WASHER 18	4	
	6	48-411-2748	SCREW, 8-32X1/2	2	
	7	48-438-205C	WASHER. LOCK 48	2	
	8	13-9-196166	INTLK ASSY L.H DOOR 9-18	1	1
		13-8-196167	INTLK. ASSY. DOOR R. 0/5		1
	9	13-2-194499	BKT., INTLK. LEFT DOOR	1	1
		13-9-194500	BKT., INTLK. RIGHT DOOR	1	1
	11	13-3-194498	BKT., SWITCH MTG.	1	1
	12	13-3-187260	SWITCH, INTERLOCK	1	1
					1
	13	13-4-194497	COVER INTLK SW. L. DOOR	1	1
		13-5-194496	COVER INTLK SW. R. DOOR	1	1
	14	48-419-4828	SCREW, PAN 6-32X1	2	1
	15	48-438-204B	LOCKWASHER 16	4	
It	16	48-011-0007	BUSHING, STRAIN RELIEF	1	1
It	17	48-437-0208	WASHER FLAT 16	2	1
It	18	48-419-1928	SCREW, 6-32X3/8	2	1
	19	48-438-4068	WASHER, LOCK INT.	3	
	21	48-425-277B	SCREW. TRUSS 10-32X1/2	3	
	22	48-436-045B	NUT, JAM	2	
	23	13-4-194133	HINGE	1	
	24	48-411-4108	SCREW, ROLL THD 1/4-20	2	
	25	11-2-154695	CABLE, COVER	1	
	26	301133	NUT, KEPS	1	
	27	48-403-2748	SCREW 8-32X1/2	2	
	28	48-438-4058	LOCKWASHER #8	1	
	29	13-6-177581	CATCH, MAGNETIC	1	
	31	13-3-178392	PLATE, PATENT	1	
	32	13-5-130201	LABEL, WARNING	1	
	33	13-3-183202	LABEL, WARNING	1	
	34	13-6-174398	LABEL, WARNING	1	
It	35	13-8-209192	INTLK ASSY DOOR L. N/S	1	
It		13-6-209111	INTLK ASSY DOOR R. N/5		
It	36	13-6-197373	BKT. INTLK. SW. HIS	1	
It	37	13-2-197401	SWITCH, INTERLOCK	1	
It	38	13-3-197368	SCREW, FL HD (M3)	2	
It	39	48-011-0007	BUSHING, STRAIN RELIEF	1	
*999		NOTE 1:	OLD STYLE		

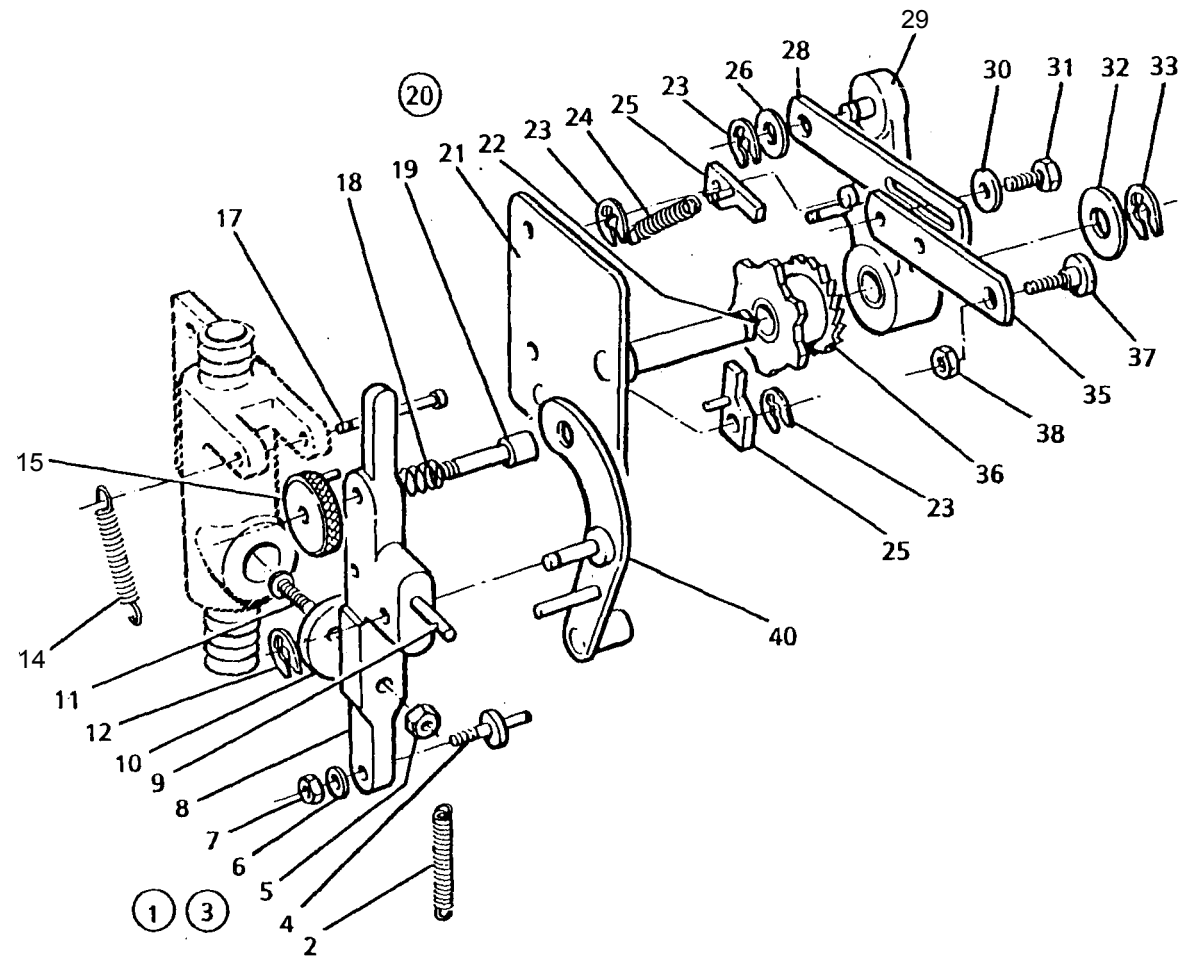
Indicates Change

GROUP 54- Rear Panel & Fan Assembly



GROUP 54- Rear Panel & Fan Assembly

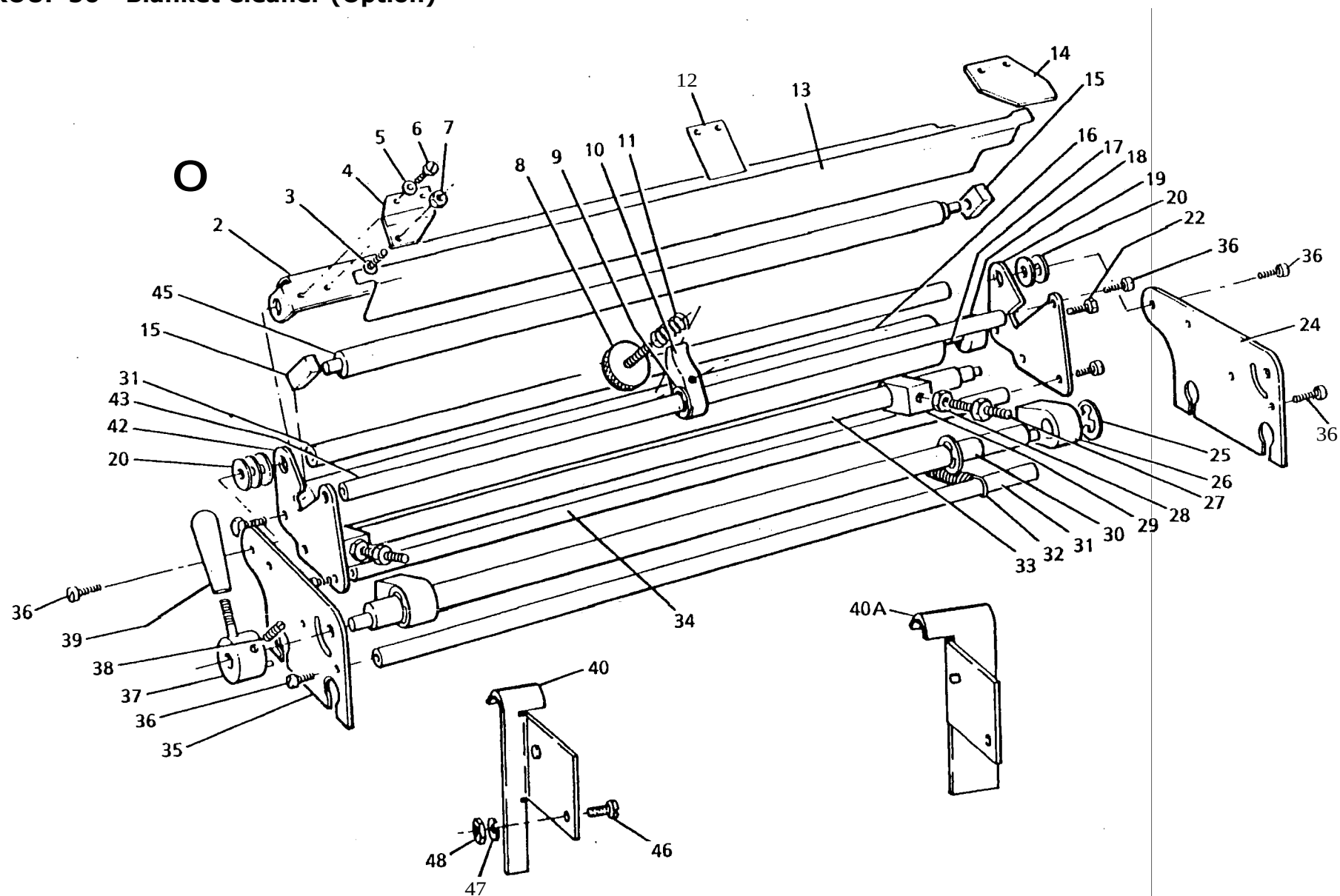
KEY	PART NUMBER	DESCRIPTION	QTY NT
1	13-2-208299	REAR PANEL & FAN ASSY.	1
2	13-3-208298	PANEL, REAR	1
3	305065	BEARING	2
4	13-2-208489	SHIELD, WIRE	1
5	301133	NUT, KEPS	6
6	13-9-194062	FAN ASSY., COMP.	1
7	13-3-191171	CAP, HSG. 9 POS	1
8	13-6-191236	FAN	1
9	13-1-194060	FAN GUARD	1
11	48-425-2740	SCREW, TR. 8-32X ¹ / ₂	2
12	13-6-195468	FOOT ASSY.	4
13	13-8-193925	FOOT, ADJ.	1
14	48-436-0610	JAM NUT, HEX 1/2-13	1
999	13-6-194875	BKT., PANEL SUPPORT 0/5	2
	48-411-4100	SCREW	2
	48-436-0450	JAM NUT	2

GROUP 55- Alternate Sheet Feed (Option)

GROUP 55- Alternate Sheet Feed (Option)

KEY	PART NUMBER	DESCRIPTION	QTY NT
1	120-2400-A1S	ALTERNATE SHEET FEED	1
2	69-509	SPRING	1
3	120-243-A	LEVER ASSY. 4-11	1
4	120-5572-1	PIN	1
5	XM-875	HUT	1
6	48-438-204R	LOCKWASHER	1
7	4-553	NUT	1
8	120-243	LEVER	1
9	170-1311	PIN	1
10	120-5570	WASHER, LEATHER	1
11	48-422-367C	SCREW	1
12	1720-1031	WASHER, C	1
14	0G-929	SPRING	1
15	120-2430-A	KNOB ASSY.	1
17	120-2440	PIVOT PIN	1
18	F2-6935	SPRING	1
19	120-2432	SCREW	1
20	120-2400-A1	PLATE ASSY. COM?. 21-36	1
21	120-2400-A	PLATE ASSY.	1
22	EF-4600	OILER	1
23	170-1331	WASHER, C	3
24	KG-3288	SPRING	2
25	120-2415-A	PAWL ASSY.	1
26	ARM-758	WASHER	1
28	120-2421	MEMBER	1
29	120-241-A	LEVER ASSY.	1
30	F2-33242	WASHER	2
31	48-411-157C	SCREW	2
32	XM-68	WASHER	2
33	170-1802	WASHER, C	1
35	120-2420	MEMBER	1
36	120-2405-A	RATCHET & CAM ASSY.	1
37	27-7077	SCREW	1
38	720-1053	NUT & LOCKWASHER	1
40	120-2435-A	LEVER ASSY.	1

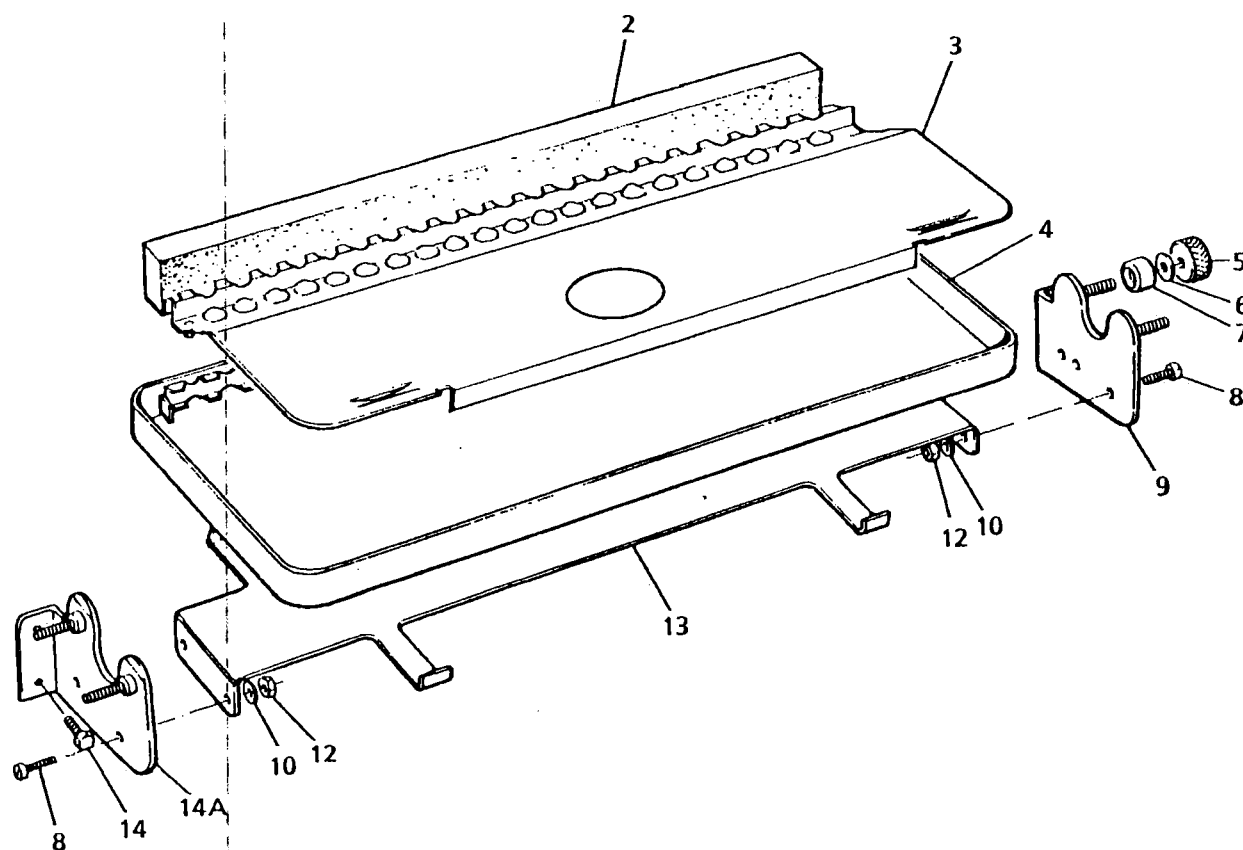
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GROUP 56 - Blanket Cleaner (Option)

GROUP 56 - Blanket Cleaner (Option)

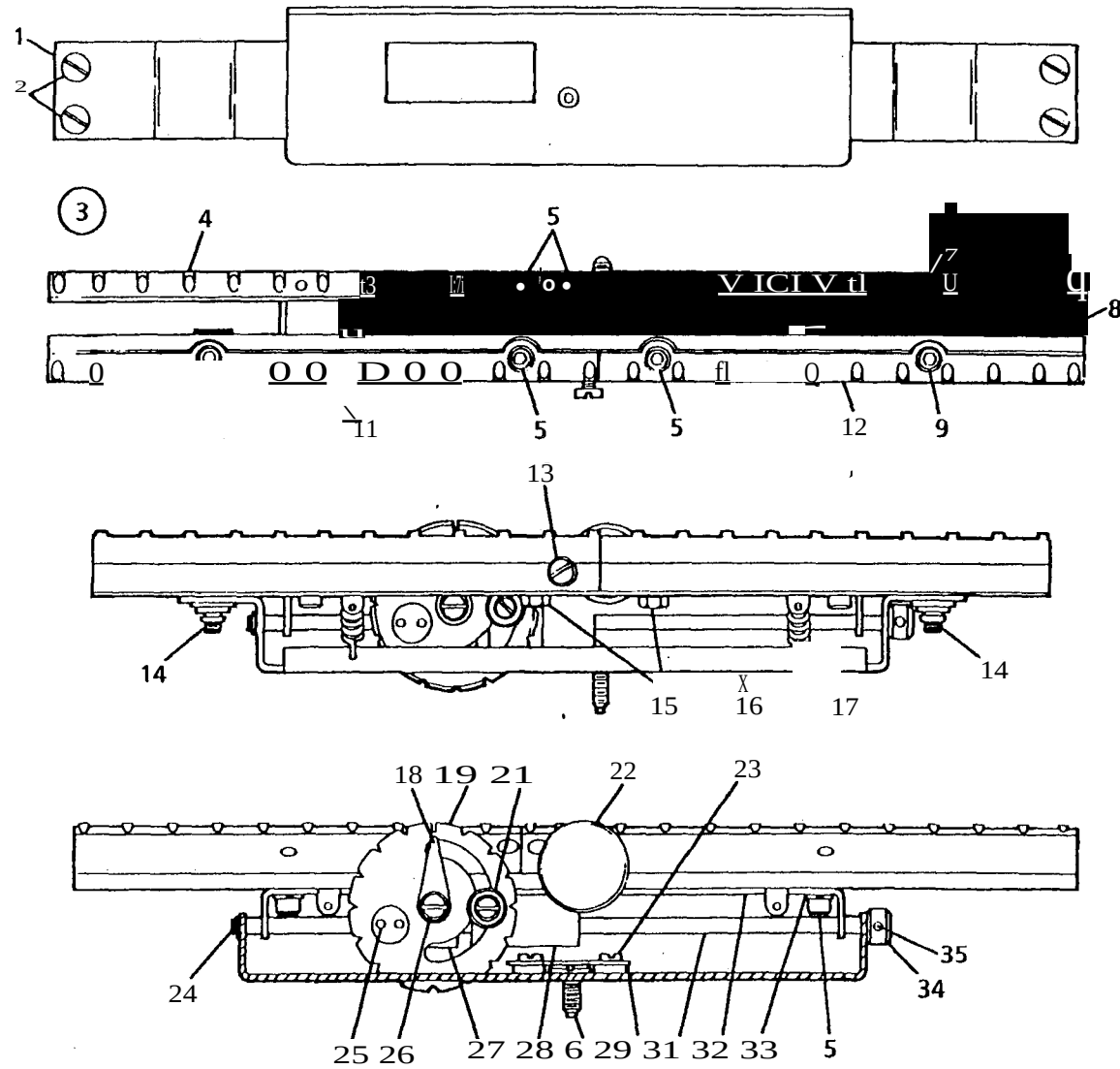
KEY	PART NUMBER	DESCRIPTION	QTY NT
	13-5-186997	BLANKET CLEANER COMP.	1
1	13-7-186987	FRAME ASSY. INCL. 2-48	1
2	13-8-186986	BAIL WIPER	1
3	2000-2205	SCREW	1
4	120W-7317	ARM	1
5	48-438-205C	LOCKWASHER	6
6	120-4034	SCREW	6
7	XM-236	NUT	1
8	120-7319-A	SCREW ASSY.	1
9	850-6033	C WASHER	2
10	120-731	ARM	1
11	C1-5110	SPRING	1
12	120-7318	SPRING PLATE	1
13	13-4-186980	COVER, WIPER ROLL	1
14	120-7317-1	ARM	1
15	120W-7315-1	BEARING	2
16	13-3-187807	ROLL ASSY.	1
17	13-0-186984	SHAFT	1
18	930-1838	COLLAR	1
19	120-73-A1	PLATE, R.H.	1
20	OG-401	WASHER	7
22	69-204	HEX SCREW	2
24	120-7333	SIDE PLATE, R.H.	1
25	120-7335	C WASHER	4
26	120-7304	BEARING	2
27	120-7302	STUD	2
28	40-1836	NUT, HEX	4
29	120-7303	BEARING	2
30	13-9-186985	SHAFT	1
31	13-1-186983	ROD	2
32	3A-7902	SPRING	2
33	13-7-187217	ROD	1
34	13-6-187218	TIE ROD	1
35	120-7332	SIDE PLATE, L.H.	1
36	4-729	SCREW	8
37	120-7330-A	HUB ASSY.	1
	120-3325	SHIM WASHER	AR
38	HA-4109	SET SCREW	1
39	81-7026	HANDLE	1
40	13-5-187490	COVER ASSY., L.H.	1
40A	13-4-187491	COVER ASSY., R.H.	1
42	120-73	PLATE, L.H.	1
43	13-3-186981	ROD	1
45	13-8-186978	ROLL ASSY.	1
46	48-419-192C	SCREW	2
47	48-438-204C	WASHER	2
48	48-435-027D	NUT	2

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GROUP 56A - Blanket Cleaner Fountain (Option)

GROUP 56A - Blanket Cleaner FOuntain (Option)

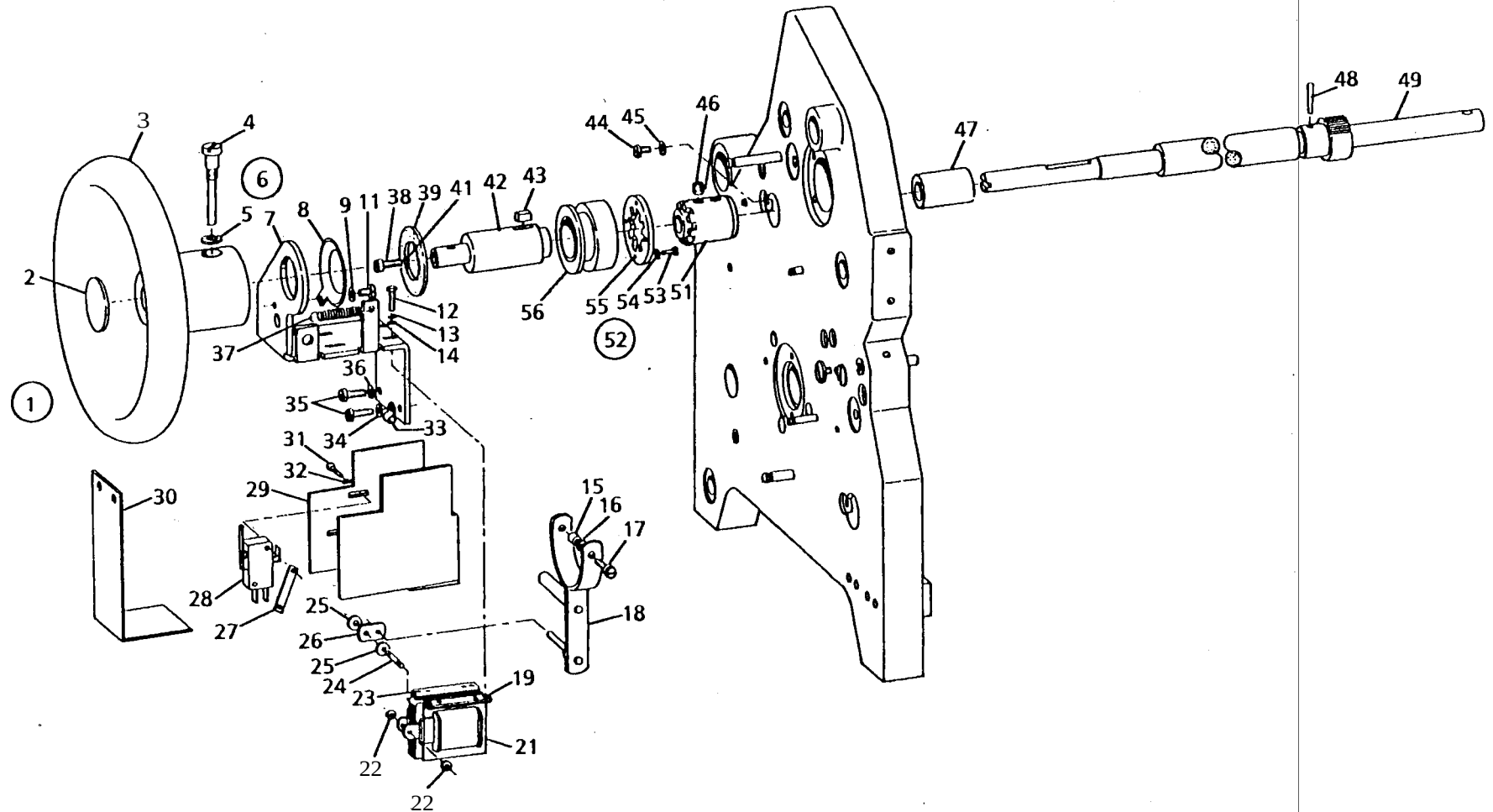
KEY	PART NUMBER	DESCRIPTION	QTY NT
.2	13-6-186988	WICK	1
13	13-7-186995	COVER	1
4	13-9-186993	FOUNTAIN ASSY.	1
5	120-7366	KNURLED NUT 10-32	4
6	XM-2689	LOCK WASHER	4
7	120-7365	COLLAR	4
18	69-984	SCREW	4
19	13-2-186990	BRACKET, R.H.	1
10	60-158	LOCKWASHER	4
12	XM-875	NUT	5
13	13-5-184943	SUPPORT	1
14	120-7630	SCREW 10-32X ¹ / ₂	4
14A	120-734-A	BRACKET, L.H.	1
999	13-3-180695	CATCH, MAGNETIC	3

GROUP 57 - Angular Adjustment Clamp (Option)

GROUP 57 - Angular Adjustment Clamp (Option)

	KEY	PART NUMBER	DESCRIPTION	QTY	NT
		13-6-186681	KIT, ANG. ADJUST CLAMP 'otnticfrt. 45tif.4.0- HAaPi-v-.414e:		
	1	13-7-186680	SHELF ASSY., CLAMP MTG.	1	
	2	48-433-277F	SCREW, 10-32X1/2	4	
		48-438-206R	WASHER, LOCK #10	4	
P-13102_	--3	13-1-186686	CLAMP ASSY. ANG. ADJ. BAR	1	
	4	13-3-186684	PIN BAR, TRAIL. L.	1	
	5	48-433-194F	SCREW, SOC. 8-32X3/8	6	
	6	120-3753	SCREW, CLAMP PIVOT	1	
	7	13-2-186685	PIN BAR, TRAIL R.	1	
	8	13-0-186661	RETAINER, MASTER	1	
	9	48-433-364F	SCREW, SOC. 8-32X5/8	2	
	11	13-1-186678	PIN BAR, LEAD L.	1	
	12	13-4-186683	PIN BAR, LEAD R.	1	
	13	43-419-194C	SCREW, PAN 8-32X3/8	1	
	14	13-7-183141	CLIP ASSY.	2	
	15	301133	NUT, KEPS	2	
	16	120-3751-A	BRACKET ASSY.	1	
	17	ULG-508	SPRING, RETURN	2	
	18	120-3762	POINTER, WHEEL	1	
	19	120-3760	WHEEL, LATERAL ADJ.	1	
		120-3761	BUSHING	1	
	21	120-3763	SCREW, BEARING BLOCK	1	
		120-3768	WASHER, WAVE	1	
		HA-1133	WASHER, FLAT	1	
	22	120-3766-A	SCREW ASSY.	1	
	23	48-419-082C	SCREW. PAN HD 6-32X3/16	2	
		48-438-204R	HASHER, LOCK #6	2	
	24	678-1437	RING, RETAINING	1	
	25	71-4032	SET SCREW	1	
	26	4-833	SCREW, WHEEL PIVOT	1	
	27	120-3759	BLOCK, WHEEL MTG.	1	
	28	120-3758	BLOCK, LAT. ADJ. BRG.	1	
	29	120-3754	RETAINER, PIVOT SCREW	1	
	31	13-1-168981	SHAFT, LATERAL ADJ.	1	
	32	120-3755	BRACKET, BAR PIVOT	1	
	33	48-438-205R	WASHER, LOCK #8	2	
	34	91-2418	COLLAR	1	
	35	91-2419	SET SCREW	1	

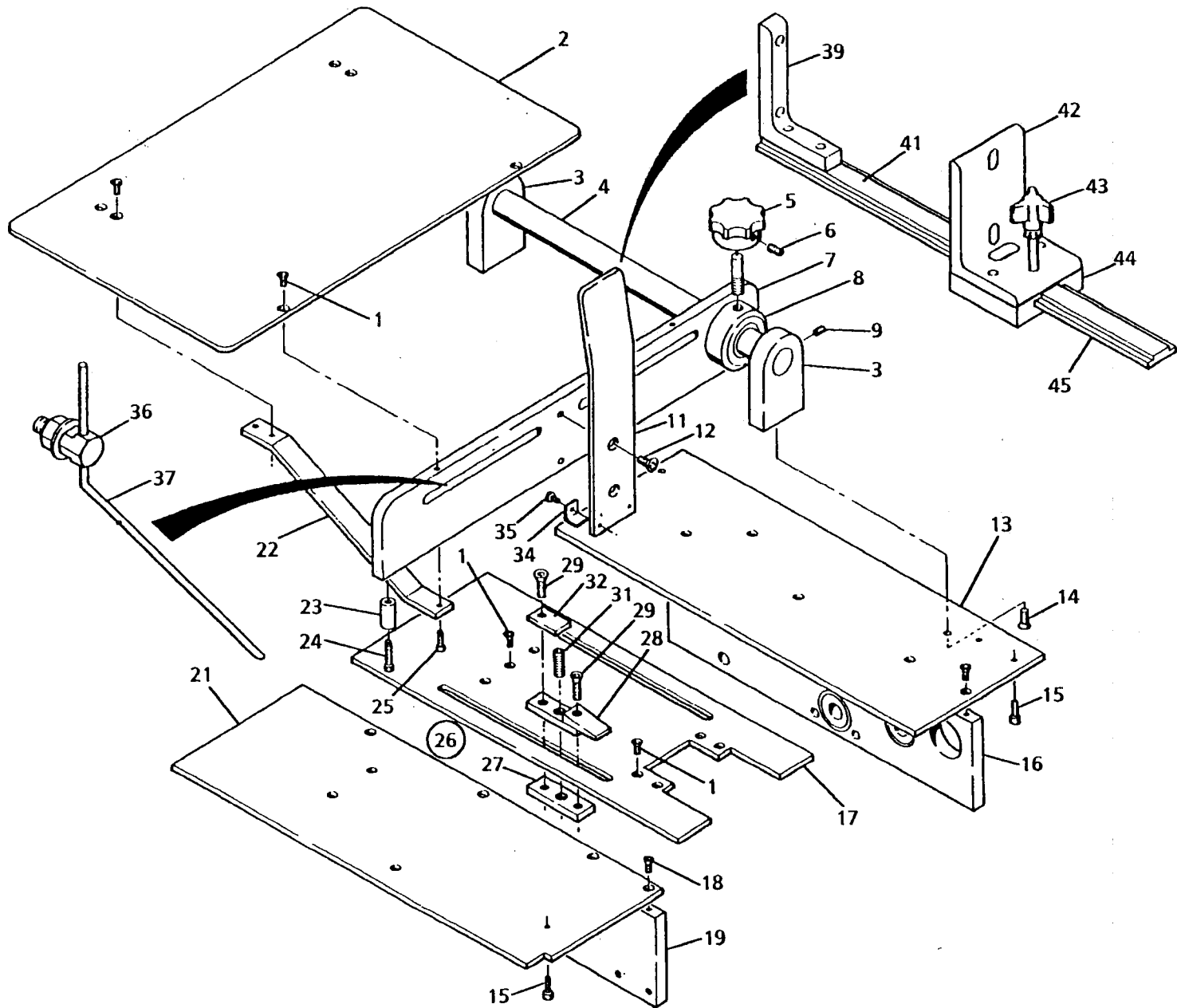
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GROUP 58 - Non-Rotating Handwheel (Option)

GROUP 58- Non-Rotating Handwheel (Option)

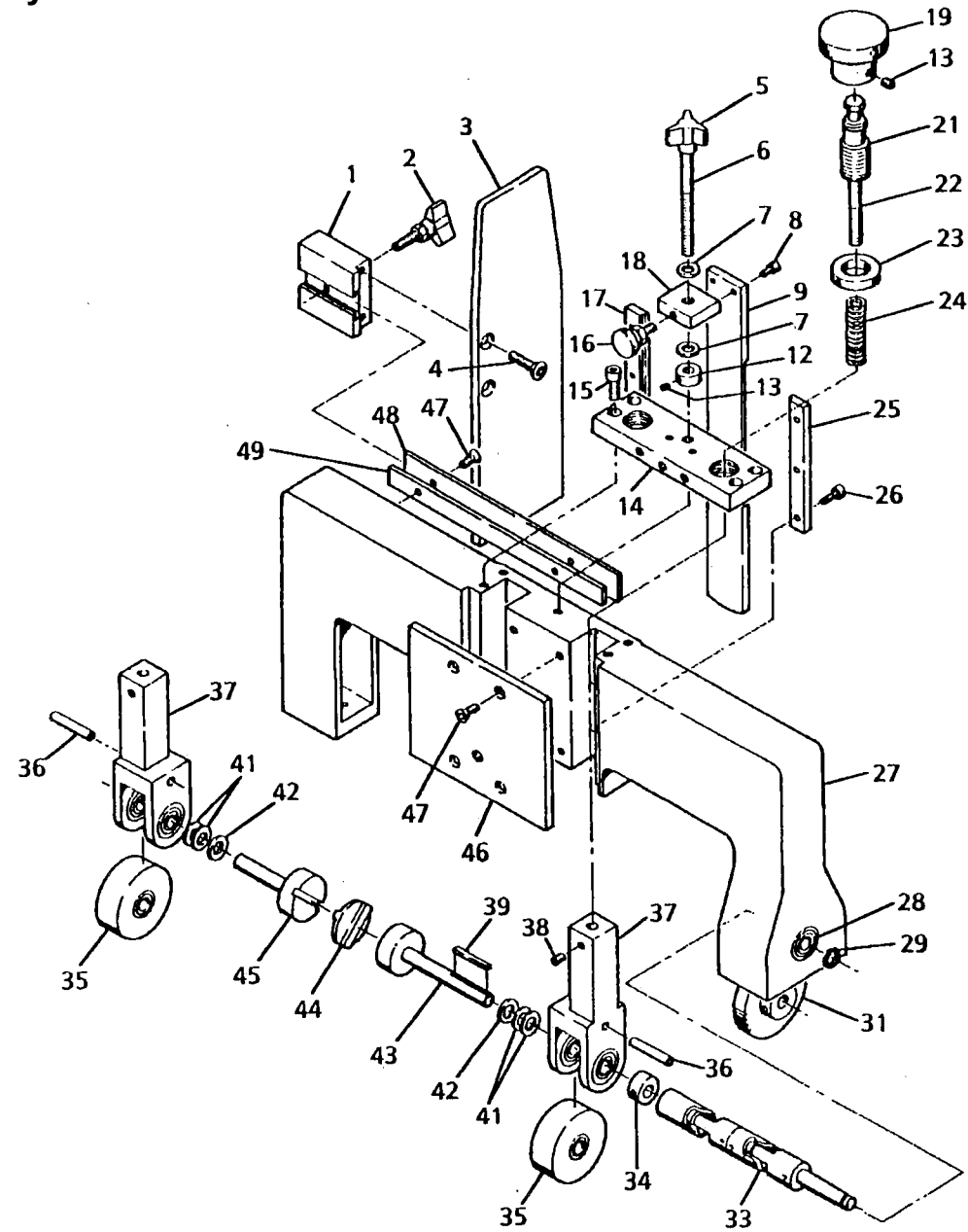
KEY	PART NUMBER	DESCRIPTION	QTY NT	KEY	PART NUMBER	DESCRIPTION	QTY NT
1	13-3-178756	HANDWHEEL ASSY.	1	30	13-9-160493	SCREW, HEX 4-40X.62	2
2	13-2-190521	INSERT	1		50002	WASHER	2
3	13-6-177250	HANDWHEEL	1	31	13-9-160493	SCREW, 4-40X5/8	2
i	13-2-179987	SCREW, 1/4-28 x 1 9/32	1	32	50002	WASHER	2
5	D3-4632	WASHER		33	48-063-1105	CLAMP	1
6	13-8-150727	CLUTCH ASSY. 7-26, 37	1	34	E25-210	CLIP	1
7	13-8-142484	MOUNTING BRACKET	1	35	48-406-2770	SCREW, 10-32X1/2	3
8	13-9-142491	WASHER, FRICTION		36	48-438-206R	LOCKWASHER	2
9	48-438-206A	SPRING LOCKWASHER		37	2750-36192	SPRING	1
11	48-406-1170	SCREW, 10-32X1/4	1	38	48-433-274A	SCREW	1
12	12-1010	SCREW, 6-32X1/2		39	13-2-142480	DISC	1
13	48-438-204A	WASHER, LOCK	4	41	48-438-205R	WASHER, LOCK	1
14	50008	WASHER	4	42	13-0-142474	SHAFT, EXTENSION ASSY.	1
15	13-7-142485	BUSHING	2	43	13-5-142479	KEY	1
16	48-438-504B	WASHER	2	44	48-406-154C	SCREW, 8-32X5/16	1
17	48-406-1940	SCREW, 8-32X3/8	2	45	200-9	WASHER	1
18	13-6-142486	YOKE ASSY.		46	13-7-142493	SCREW, 1/4-20X3/8	2
19	13-6-170271	CLAMP BAR	1	47	185-303	BUSHING	1
21	13-4-170273	SOLENOID 50/60 HZ	1	48	117-238	TAPER PIN	1
22	9500-2154	O RING	2	49	13-8-186473	SHAFT ASSY., DRIVE	1
23	E25-5	NUT BAR		51	13-9-142475	COLLAR, TOOTHED	1
24	500-2258	PIN	1	52	13-0-142979	SLIDER BUSHING ASSY.	1
25	13-3-142976	SPACER	2	53	4B-406-152C	SCREW, 6-32X5/16	4
26	13-9-143093	LINK	1	54	48-438-204A	WASHER, 16	4
27	E25-148	TWIN NUT	1	55	13-7-142477	DISC, TOOTHED	1
28	13-5-160067	SWITCH ASSY.	1	56	13-6-142478	BUSHING	1
29	13-5-198042	BRACKET, SWITCH	1	m999	13-5-196178	KIT, NON-ROTATING HANDWH.	
30	13-3-198044	COVER, SWITCH BKT.	1				

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GROUP 59- Table Assembly

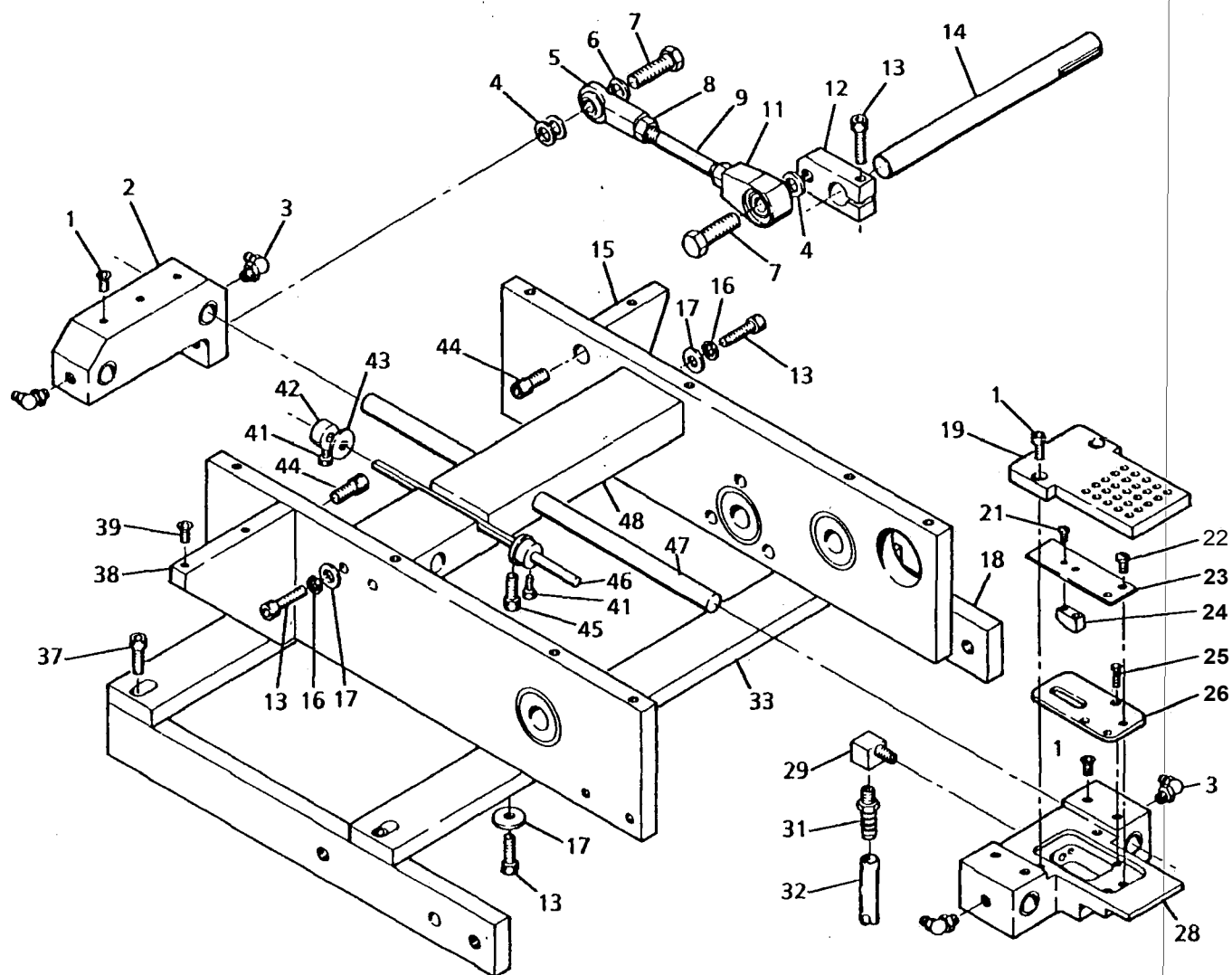
GROUP 59- Table Assembly

KEY PART NUMBER •	DESCRIPTION	QTY NT
1 KR-107500	SCREW, FT. HD	13
2 KR-500845	TABLE, JOGGER	1
3 KR-500832	BKT., REAR GUIDE	2
4 KR-503799	SHAFT, REAR BRIDGE	1
5 KR-500767	KNOB ASSY	1
6 KR-107629	SCREW, SET	1
7 KR-503712	BRIDGE, REAR GUIDE	1
8 KR-500770	HUB	1
KR-100109	BUSHING	1
KR-107627	SET SCREW	1
9 KR-107635	SET SCREW	1
11 KR-500715	PLATE, REAR GUIDE CENTER	1
12 KR-107504	SCREW, FT. HD.	2
13 KR-SP-25713	TABLE, L.H.	1
14 KR-107428	SCREW, SOC HD	2
15 KR-106815	SCREW, CAP	3
16 KR-SP-25702	PLATE, BASE SUPPORT L.	1
17 KR-503753	PLATE, FEEDER	1
18 KR-107502	SCREW, FT HD	1
19 KR-SP-25701	PLATE, BASE SUPPORT R.	1
21 KR-SP-25712	TABLE, R.H.	1
22 KR-500847	BRACKET, JOGGER TABLE	2
23 KR-500765	SPACER, REAR BRIDGE	1
24 KR-107408	SCREW, SOC HD	1
25 KR-107409	SCREW, SOC HD	2
26 KR-500760-A	PUSHER ASSY INCL 27-32	2
27 KR-500762	PLATE, FEEDER PUSHER	1
28 KR-500760	LIFTER, FEEDER PUSHER	2
29 KR-107517	SCREW, FLAT HD	4
31 KR-102700	SPRING, COIL	2
32 KR-500775	PLATE, FEEDER PUSHER	2
34 KR-500771	CLIP, REAR GUIDE	2
35 KR-107710	SCREW, RD HD	2
36 KR-500766	BOLT	1
KR-100601	WASHER	1
KR-106702	NUT	1
37 KR-500764	LIFTER FINGER	1
39 KR-5P25753	ANGLE, REAR GUIDE	1
41 KR-5P25754-1	SLIDE BAR, TOP	1
42 KR-5P25756	ANGLE, SLIDE BLOCK	1
43 KR-102119	KNOB	1
44 KR-SP25755	BLOCK, SLIDE	1
45 KR-5P25754	SLIDE BAR, BOTTOM	1
999 KR-500709-1	FEED PLATE, FLAT	
KR-500709-2	FEED PLATE, SHALLOW	
KR-500709-3	FEED PLATE, DEEP	
KR-500709-4	FEED PLATE, CONVEX	

GROUP 60- Bridge Assembly

GROUP 60 - Bridge Assembly

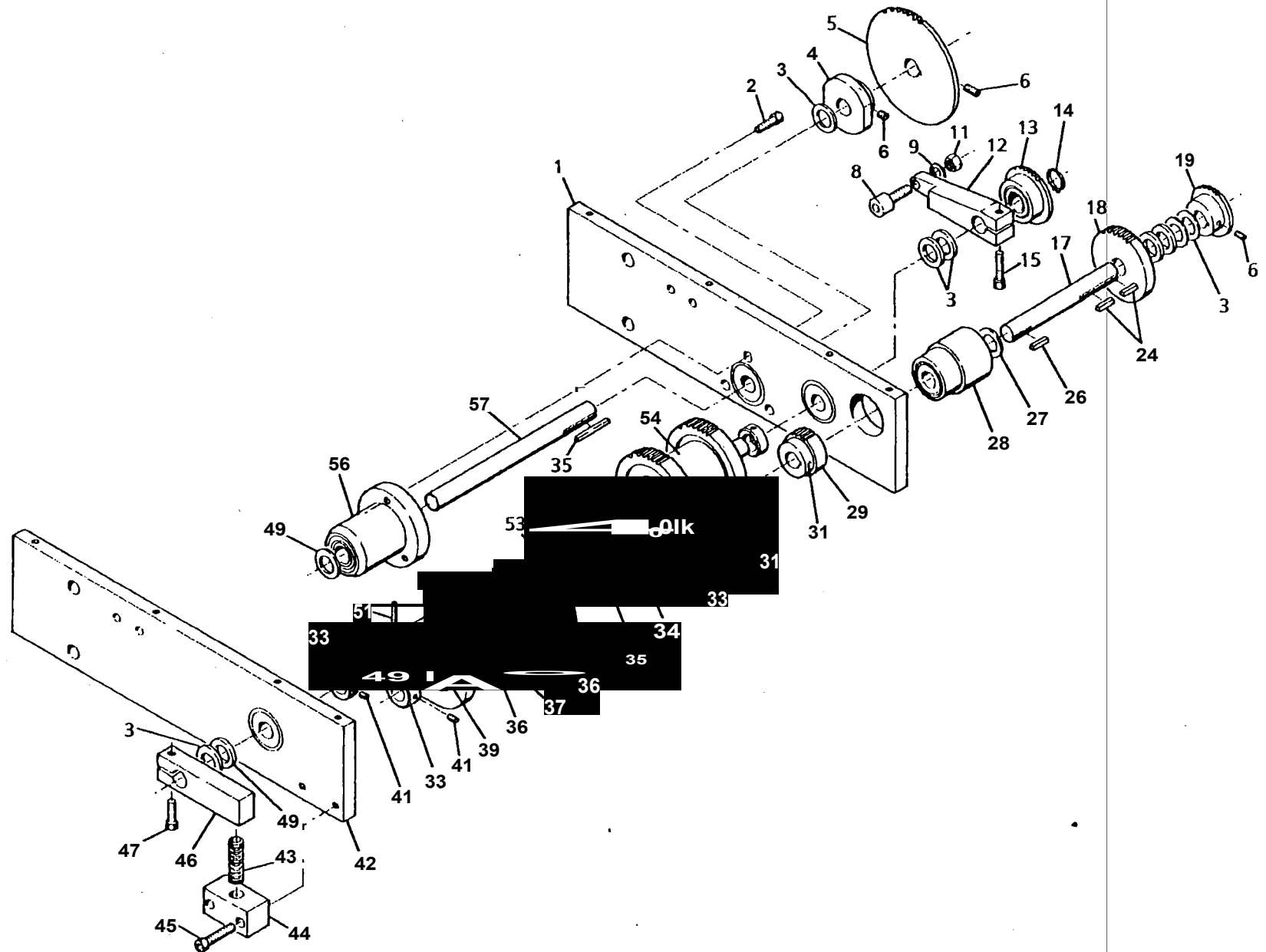
KEY	PART NUMBER	DESCRIPTION	QTY NT	KEY	PART NUMBER	DESCRIPTION	QTY NT
1	KR-500755	CLAMP, SIDE GUIDE	2	24	KR-102701	SPRING, COIL	2
2	KR-500790	KNOB ASSY	2	25	KR-500805	PLATE, BRIDGE	2
3	KR-500788	PLATE, SIDE GUIDE	2	26	KR-107409	SCREW, CAP	6
4	KR-107504	SCREW, FLAT HD	4	27	KR-503604	BRIDGE, FEEDER	1
5	KR-102119	KNOB	1	28	KR-103106	BEARING	1
	KR-106700	NUT, HEX	1	29	KR-104100	RING, SNAP	1
6	KR-500810	SHAFT, ADJ. TOP ROLLER	1	31	KR-503788	GEAR	1
7	KR-100409	WASHER	2		KR-107624	SCREW, SET	2
8	KR-107413	SCREW, CAP	2	33	KR-500726-A311	UNIVERSAL ASSY	1
9	KR-500730	PLATE, GATE FEEDER	1	34	KR-102200	COLLAR	1
	KR-500730-1	PLATE, GATE FEEDER/OPTION	1		KR-107622	SCREW, SET	1
	KR-500730-T	RUBBER TIP	1	35	KR-500745-A	UPPER FEED ROLL ASSY.	2
	KR-107511	SCREW, FT. HD.	1	36	KR-105457	PIN, DOWEL	2
	KR-502234-1	GATE, DOUBLE STYLE	1	37	KR-503777	FORK ASSY.	2
	KR-502234-T	RUBBER TIP	1		KR-105106	BEARING	4
12	KR-102225	COLLAR	1	38	KR-107633	SCREW, SET	2
13	KR-107622	SCREW, SET	1	39	KR-105351	KEYWAY	1
14	KR-500808	PLATE, TOP BRIDGE	1	41	KR-102306	WASHER	4
15	KR-107428	SCREW, CAP	4	42	KR-102690	WASHER	2
16	KR-102113	KNOB	1	43	KR-503655	SHAFT, TOP ROLLER DRIVE	1
	KR-106736	NUT, HEX	1		KR-105218	PIN, ROLL	1
	KR-107680	SCREW, SET	1	44	KR-190600	SPIDER	1
17	KR-500805	PLATE, BRIDGE	2	45	KR-500744	SHAFT, TOP ROLLER	1
18	KR-500806	PLATE, GATE END	1	46	KR-500795	PLATE, BRIDGE	1
19	KR-500812	KNOB	2	47	KR-107500	SCREW, FT. HD.	8
21	KR-500809	SLEEVE, TOP ROLLER	2	48	KR-503786	RAIL, SIDE GUIDE BRIDGE	2
22	KR-104400	BOLT, HEX	2	49	KR-503786-1	RAIL	2
23	KR-500807	NUT, LOCK BRIDGE	2				

GROUP 61 - Feed Assembly

GROUP 61 - Feed Assembly

KEY	PART NUMBER	DESCRIPTION	QTY NT	KEY	PART NUMBER	DESCRIPTION	QTY NT
1	KR-107500	SCREW, FT. HD	7	23	KR-500738	SPRING, VALVE	1
2	KR-503701	BRACKET, FEEDER	1	24	KR-500739	BLOCK, PUSHER	1
	KR-190639	BUSHING	4	25	KR-107514	SCREW, FT. HD.	2
3	KR-190616	FITTING, GREASE	4	26	KR-500740	PLATE, VACUUM	1
4	KR-102308	WASHER	2	28	KR-503750	BODY VAC VALVE W/O SEAL	1
5	KR-103500	ROD END	1		KR-190639	BUSHING	4
6	KR-100700	WASHER, LOCK	1		KR-503750-0 RING	BODY VAC VALVE W/SEAL	1
7	KR-107307	SCREW, HEX	2		KR-190730	SEAL MATERIAL .060 X 12"	
8	KR-106700	NUT	2	29	KR-190606	PIPE CONN.. BRASS	
9	KR-503671	ROD	1	31	KR-190604	NIPPLE, CONN.	1
11	KR-500751	YOKE, FEEDER CRANK	1	32	13-0-196140	HOSE	1
	KR-103106	BEARING	2	33	KR-SP-25704	BAR. SUPPORT	2
12	KR-500750	CRANK, FEEDER SLIDE	1	37	KR-107401	SCREW	
13	KR-107407	SCREW, CAP		38	KR-503669	BKT., TOP SUPPORT PLATE	1
14	KR-SP-25709	SHAFT, CRANK	1	39	KR-107502	SCREW. FT.	
15	KR-503670	BKT., TOP PLATE SUPPORT	1	41	KR-107429	SCREW. CAP	2
16	KR-100701	WASHER, LOCK	4	42	KR-102225	COLLAR, STOP	2
17	KR-100603	WASHER	6	43	KR-500737	WASHER, BUMPER	2
18	KR-SP-25703	BAR, FRAME	2	44	KR-101419	SCREW, CAP	4
19	KR-503751	PLATE, VACUUM FEED	1	45	KR-107428	SCREW. CAP	2
	KR-503751-1	PLATE, FLAT	1	46	KR-500735	ROD, PUSH	1
	KR-503751-2	PLATE, SHALLOW	1	47	KR-503624	SHAFT, FEEDER	2
	KR-503751-3	PLATE, DEEP	1	48	KR-503752	BRACKET, FEEDER SUPPORT	1
	KR-503751-4	PLATE, CONVEX (OPTION)	1	999	13-3-196758	VALVE ASSY., REG.	1
21	KR-107708	SCREW, RD. HD.	2		13-2-196528	PUMP ASSY.	1
22	KR-107705	SCREW. RD. HD.	2		13-3-208660	BELT, CONVEYOR 1/2" WIDE	1

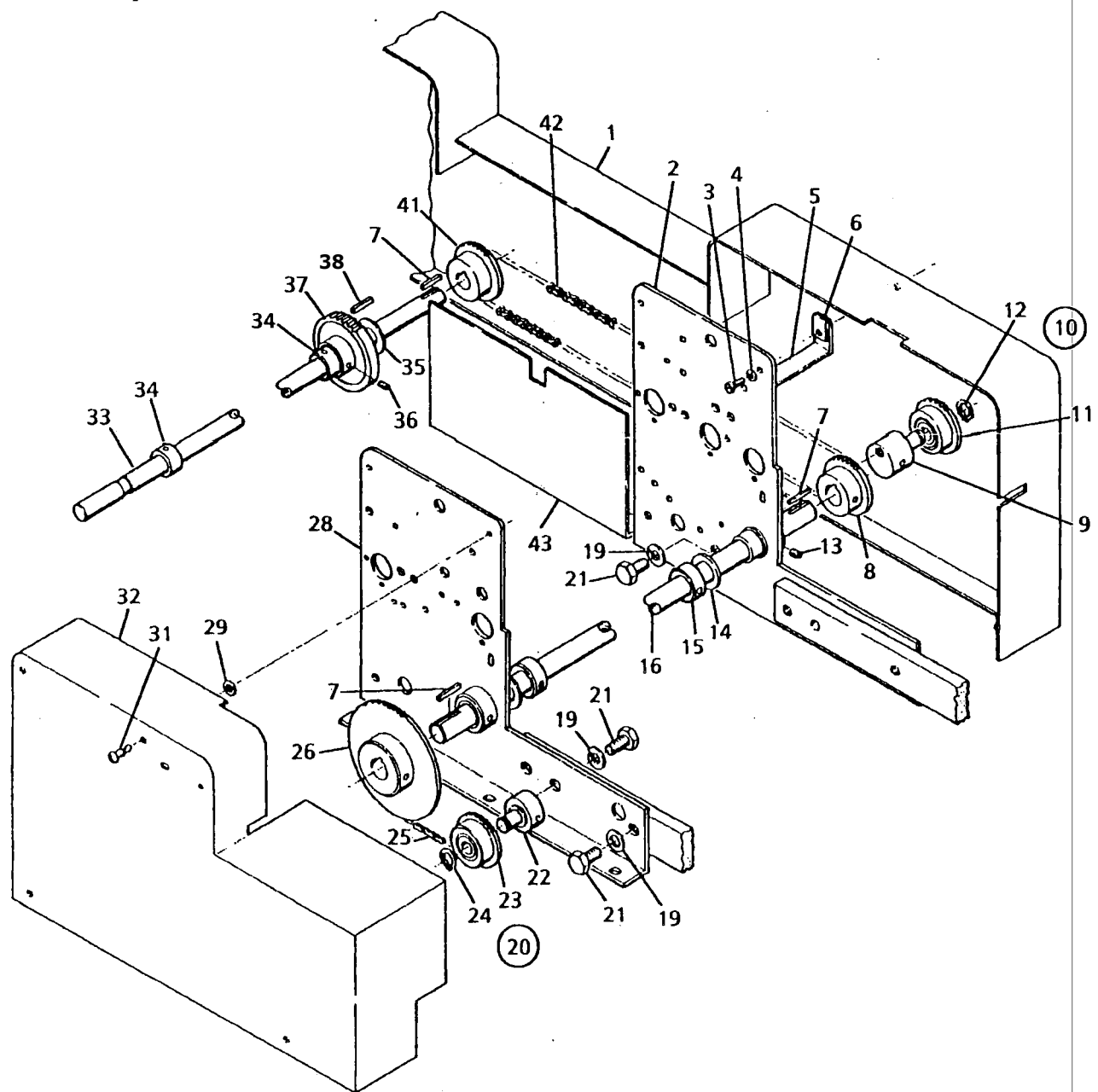
GROUP 62- Feed Mechanism



GROUP 62- Feed Mechanism

KEY	PART NUMBER	DESCRIPTION	QTY NT
1	KR-5P-25702	PLATE, BASE SUPPORT L.	1
2	KR-107407	SCREW, CAP	3
3	KR-102657	WASHER	8
4	KR-503625-1	CAM	1
5	KR-110140	SPROCKET	1
6	KR-107637	SCREW, SET	2
8	KR-103405	FOLLOWER, CAM	1
9	KR-100700	WASHER, LOCK	1
11	KR-106700	NUT, HEX	1
12	KR-503621-1	LEVER, CAM	1
13	KR-110157A	SPROCKET	1
14	KR-104106	E RING	1
15	KR-107407	SCREW, CAP	3
17	KR-SP-25707	SHAFT, GEAR	1
18	KR-503532	GEAR	1
19	KR-110100	SPROCKET	1
24	KR-105327	KEYWAY, .63	2
26	KR-105338	KEYWAY, .75	1
27	KR-102320	WASHER	1
28	KR-503531	HUB, GEAR BRG.	1
	KR-103110	BRG.	2
29	KR-101957	GEAR	2
31	KR-107633	SCREW, SET	2
33	KR-102201	COLLAR	3
34	KR-500748	SHAFT, FEED ROLL	1
35	KR-105315	KEYWAY, 1.00	2
36	KR-503656	ROLLER, LOWER FEED	2
37	KR-107623	SCREW, SET	2
39	KR-103110	BEARING	2
41	KR-107623	SCREW, SET	2
42	KR-SP-25701	PLATE, BASE SUPPORT R.	1
43	KR-102701	SPRING, COIL	1
44	KR-500785	BLOCK, SPRING	1
45	KR-107404	SCREW, CAP	2
46	KR-SP-25711	LEVER, SPRING	1
47	KR-107407	SCREW, CAP	
49	KR-102320	WASHER	2
51	KR-105201	PIN, ROLL	2
52	KR-500729	CRADLE, FEEDER	1
53	KR-SP-25708	SHAFT, SPRING LEVER	1
54	KR-503622-A	HUB ASSY.	1
56	KR-503729	HUB, BRG.	1
	KR-103110	BRG	2
57	KR-SP-25709	SHAFT	1

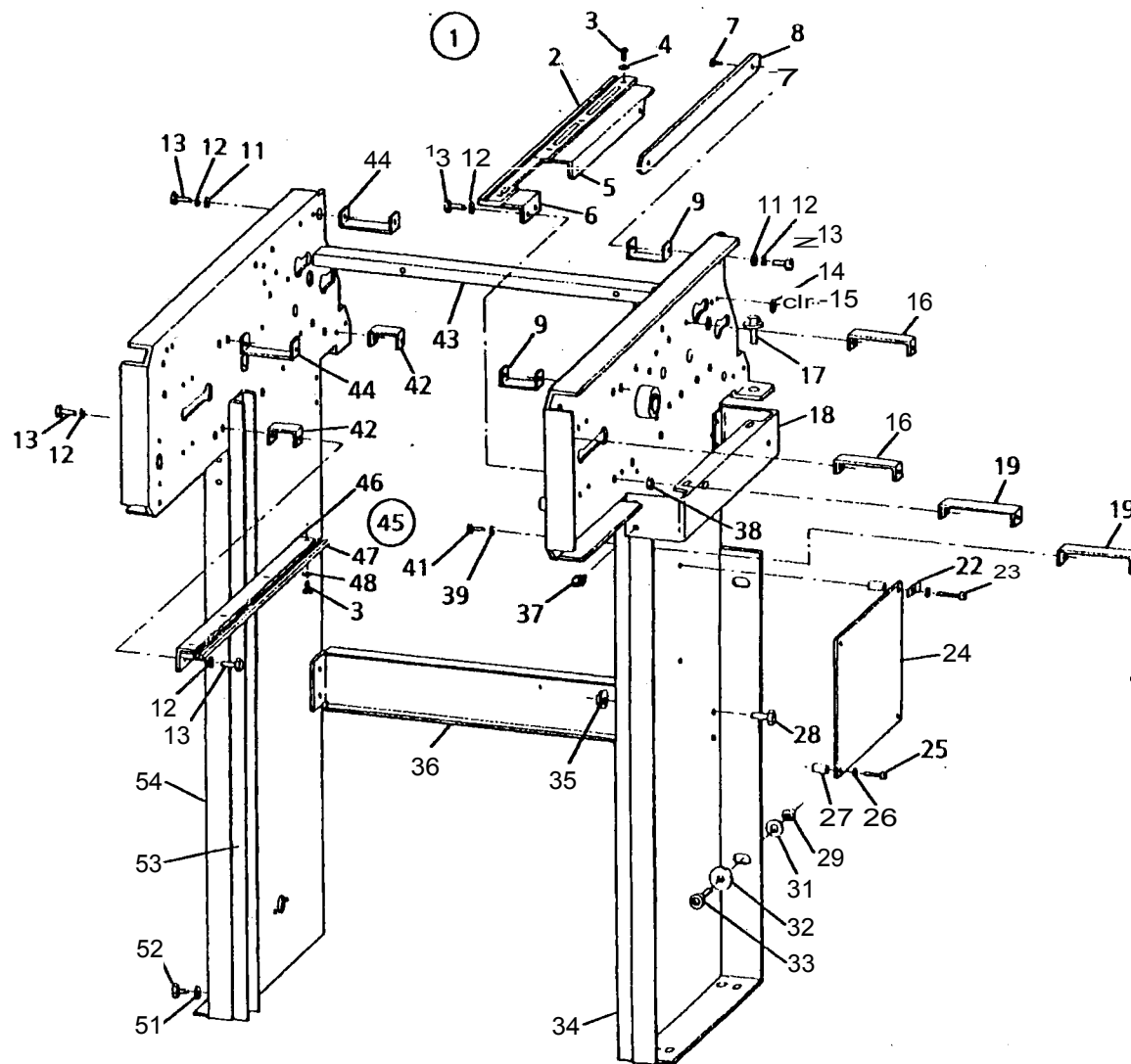
GROUP 63 - Drive Assembly & Covers



GROUP 63 - Drive Assembly & Covers

KEY PART NUMBER	DESCRIPTION	QTY NT
1 13-0-196777	COVER ASSY., COMP. R.	1
2 13-8-196753	SIDE PLATE, R	1
3 48-406-3170	SCREW FIL 10-32X9/16	3
4 48-438-2068	WASHER, LOCK	3
5 13-2-190018	SUPPORT, COVER	3
6 13-0-184963	RECEPTACLE	3
7 105314	KEY 3/16X3/4	3
8 KR-110272	SPROCKET	1
11-21131	SET SCREW	1
9 KR-500849-1	SPROCKET, MTG	1
10 500849A	SPROCKET 8, MTG ASSY. INCL 9-12, 19, 21	1
11 KR-110200A	SPROCKET W/BRG	1
12 KR-104106	E RING	1
13 KR-107633	SET SCREW	1
14 120W-3663	SHIM	2
15 KR-102215	COLLAR	2
16 KR-SP-25706	SHAFT	1
19 48-438-410C	WASHER LOCK INT TN 3/8	4
20 KR-SP-25710A	SPROCKET & MTG. ASSY. INCL. 19-24	1
21 48-411-415C	SCREW, HEX CAP 3/8-24X3/4	4
22 KR-SP-25710	SHAFT	1
23 KR-110157A	SPROCKET W/BRG	1
24 KR-104106	E RING	1
25 48-502-130A	CHAIN ASSY #25	1
48-502-129A	CHAIN	
48-501-2510	CONN. LINK	
26 KR-110139	SPROCKET	1
28 13-6-196755	SIDE PLATE ASSY., L.	1
29 13-1-184970	RETAINER	4
31 13-5-184968	STUD, 1/4 TURN	4
32 13-9-196760	COVER ASSY., L.	1
33 KR-51 ³ 25705	SHAFT, FEEDER DRIVE	1
34 KR-102201	COLLAR	2
35 13-2-179912	SHIM	1
36 ARM-9521	SET SCREW	1
37 13-4-196765	GEAR, CAM SHAFT DRIVE	1
38 105312	KEY	1
41 KR-110234	SPROCKET	1
11-21331	SET SCREW	1
42 48-503-131A	CHAIN ASSY #35	1
48-503-129A	CHAIN	
48-501-3510	CONN. LINK	
43 13-1-196768	GUARD	1
999 13-5-196814	CONTROL PANEL	1

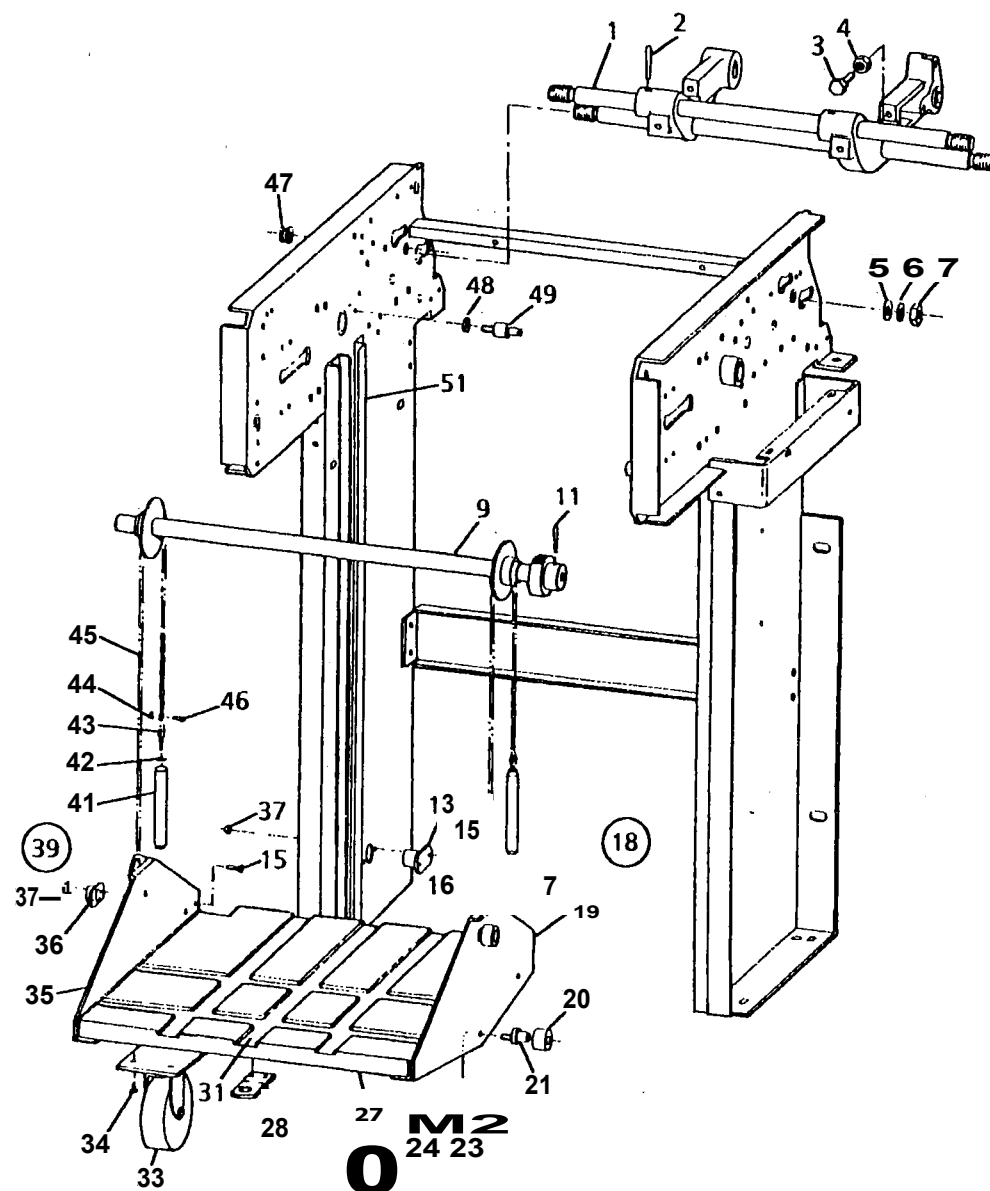
GROUP 64- Frame Assembly



GROUP 64 - Frame Assembly

KEY	PART NUMBER	DESCRIPTION	QTY NT	KEY	PART NUMBER	DESCRIPTION	QTY NT
1	13-5-195733	GUIDE ASSY. CHAIN LOWER L	1	24	13-0-142276	VARISTOR, 150V	1
		INCL. 2-6		25	48-403-4020	SCREW, BIND. 6-32X3/4	4
2	13-7-195723	GUIDE, CHAIN LOWER L.	1	26	48-438-503A	WASHER, LOCK EXT.	4
	13-4-188895	BRACKET	1	27	13-9-186746	SPACER	
	48-425-2775	SCREW, TRUSS 10-32X1/2	1	28	48-411-412C	SCREW, HEX 5/16-18X3/4	4
3	48-425-197B	SCREW, TRUSS 10-32X3/8	3	29	48-435-051D	NUT, HEX 3/8	4
4	3A-2614	WASHER, FLAT #10	4	31	48-438-210A	WASHER, LOCK 3/8	4
5	13-0-195720	BKT.. LOWER FRONT	1	32	50031	WASHER, FLAT 3/8	4
6	13-9-195721	SKI., LOWER REAR	1	33	48-433-494F	SCREW, SOC 3/8-16X1	4
7	48-425-197C	SCREW, TRUSS 10-32X3/8	1	34	13-8-195706	SIDE PLATE ASSY. L.	1
8	1215-5003	GUIDE, CHAIN UPPER	2	35	638-15	NUT, KEPS	4
9	13-3-190181	STANDOFF, GUIDE TOP L.	2	36	13-7-195749	BRACKET, FRAME TIE	1
11	48-437-032B	WASHER, PLAIN 1/4	4	37	48-412-277C	SCREW, HEX 10-32X1/2	8
12	48-438-208R	WASHER, LOCK 1/4	10		50162	NUT, KEPS	8
13	EF-5001	SCREW MACH HEX 1/4-20X3/4	10	38	48-435-043D	NUT, HEX 1/4-20	4
14	48-438-206R	WASHER, LOCK #10	4	39	48-438-505R	WASHER, LACK	8
15	48-406-367C	SCREW, FIL. 10-32X5/8	4	41	48-412-277C	SCREW, HEX 10-32X1/2	8
16	13-3-208215	STANDOFF, NIS	4	42	13-9-190177	STANDOFF, GUIDE LOWER R.	2
	13-2-190018	STANDOFF 0/5	1	43	13-3-186247	BAR, TIE	1
	13-0-184963	RECEPTACLE, 0/5	4	44	13-4-190180	STANDOFF, GUIDE TOP R.	2
17	48-441-4105	SCREW, 1/4-20X3/4	2	45	13-6-195732	GUIDE ASSY. CHAIN LOWER R	1
	48-438-507C	STAR WASHER, 1/4	2			INCL. 46-48	
	48-437-032C	FLAT WASHER, 1/4	2	46	13-8-195730	BKT. CHAIN GUIDE LOWER R.	1
18	13-3-196071	BKT., COVER MTG. L.	1		13-4-1888 95	BKT.	1
	13-4-196070	BKT., COVER MTG. R.	1		48-425-277B	SCREW, TRUSS 10-32X1/2	1
19	13-2-208216	STANDOFF, N/S	4	47	13-7-195731	GUIDE, CHAIN LOWER R.	1
	13-9-195713	SUPPORT, COVER 0/5	4	48	3A-2614	WASHER, FLAT #10	4
	13-0-184963	RECEPTACLE, 0/5	4	51	50-158	WASHER, LOCK ID	6
22	48-063-1126	CLAMP, CABLE	1	52	48-411-157C	SCREW, HEX 10-32X5/16	6
23	48-403-482D	SCREW. BIND 6-32X1	1	53	13-8-195680	CHANNEL, PAPER TABLE	2
24	13-6-195864	RECEDE BD. ASSY.	1	54	13-9-195705	SIDE PLATE ASSY. R.	1

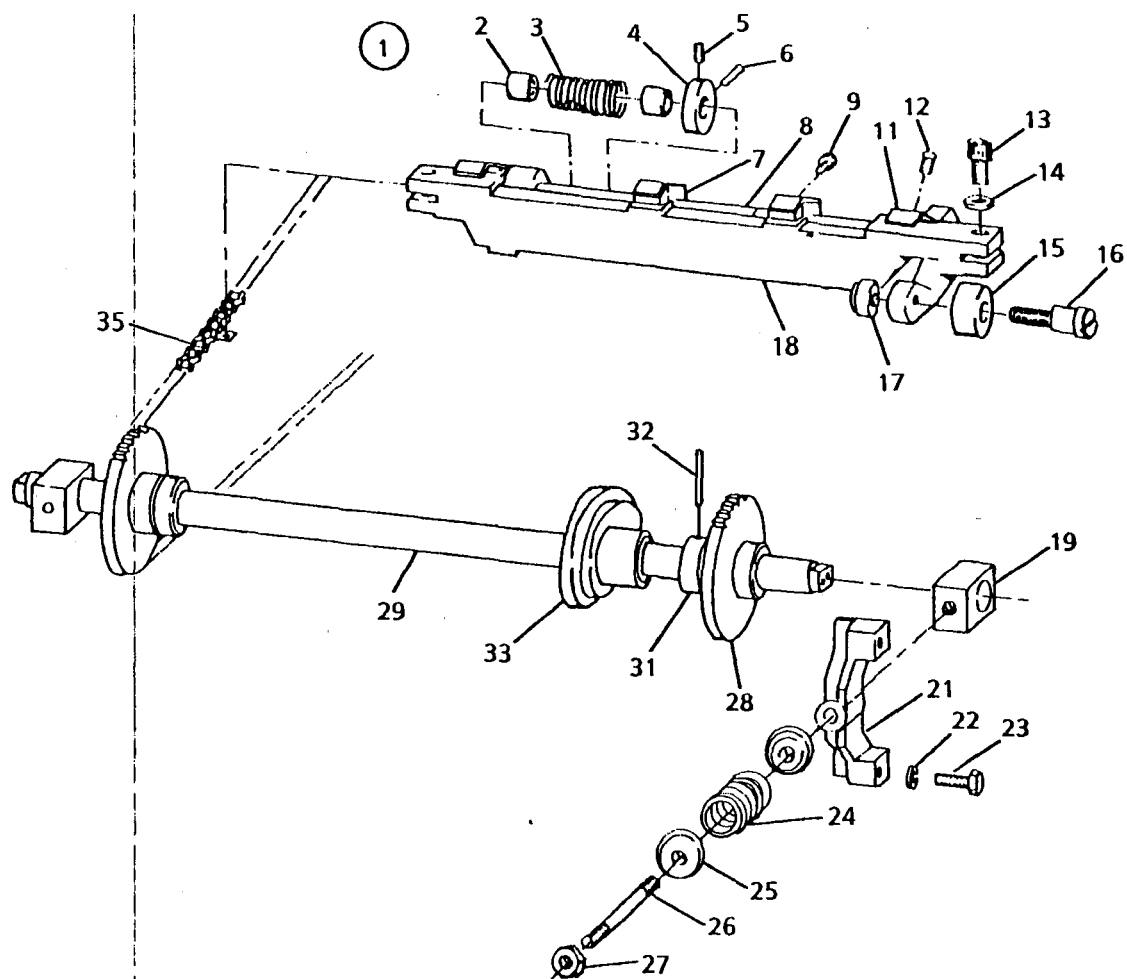
GROUP 65 - Table Assembly



GROUP 65- Table Assembly

KEY	PART NUMBER	DESCRIPTION	QTY	NT	KEY	PART NUMBER	DESCRIPTION	QTY	NT
1	13-7-186250	BKT. ASSY DRIVE SHAFT BRG	1		27	13-3-186254	TABLE	1	
		SEE GP. 67			28	13-3-201913	PLATE, HOOK	1	
2	0G-720	TAPER PIN	2			13-9-201933	SCREW, PAN 10X1/2	4	
3	119-662	SCREW, 1/4-28X3/4	2		31	13-1-187296	SCALE ASSY.	1	
4	40-1836	NUT, HEX 1/4-28	2			48-437-020D	WASHER, PLAIN #6	2	
5	48-437-0408	WASHER, PLAIN 1/2	4			50109	NUT, KEPS 6-32	2	
6	48-438-2128	WASHER, LOCK 1/2	4		33	112-247	CASTER, TRUCK SWIVEL	2	
7	48-436-0628	NUT, 1/2-20	4			112-246	CASTER	2	
9	13-6-206984	SHAFT ASSY. SPROCKET N/S	1		34	13-6-199205	SCREW, THD 1/4X ⁵ / ₈	16	
		USE 14/WORM GEAR & BRAKE			35	13-0-195613	ELEVATOR SIDE PLATE R.	1	
		SEE GP. 67				13-7-195616	TIE ROD, ELEVATOR	1	
	13-6-195682	SHAFT ASSY. SPROCKET 0/5	1			48-438-208R	LOCKWASHER		
11	10814	PIN, #2 X 1-3/8	3			48-411-2808	SCREW, 1/4-20X ¹ / ₂	4	
13	13-8-196027	PAPER BOTTOM SENSOR & CBL	1		36	13-1-180846	ACTUATOR, MAGNET	1	
15	48-409-188C	SCREW, FT HD 4-40X3/8	2		37	48-435-0110	NUT, 2-56X.06	2	
16	678-1437	WASHER	2			48-409-1040	SCREW, 2-56X1/4	2	
17	120-5176	PIN	2		39	13-8-163340	CHAIN ASSY. ELEV. 41-46	1	
18	13-8-196217	ELEVATOR ASSY.	1		41	13-1-163339	WEIGHT	2	
		INCL. 19, 21-23, 24 35-38			42	48-435-035C	NUT, HEX 10-24	2	
19	13-8-195615	ELEV. SIDE PLATE L.	1		43	108-448	SCREW, 10-24X1/2	2	
	13-7-195616	TIE ROD	1		44	678-1437	WASHER	2	
	48-411-280B	SCREW, 1/4-20X1/2	4		45	120-5175-1	CHAIN	2	
	48-438-208R	LOCKWASHER	4		46	120-5176	PIN	2	
20	112-235	ROLLER	2		47	13-2-182361	BUSHING, INSULATING	3	
21	13-1-182974	STUD, ECC.	2		48	0G-424	WASHER, #6	2	
22	3A1-1540	LOCKWASHER	2		49	120-5422-1	SCREW, CHAIN GUIDE	2	
23	48-438-508B	WASHER	2		51	13-4-196617	GUARD, CHAIN	2	
24	48-435-047C	NUT, HEX ⁵ / ₁₆ -18X.21	2			48-412-277C	SCREW, HEX 10-32X1/2	3	
26	13-2-186255	TABLE ASSY. PAPER STACKER	1			48-438-505R	LOCKWASHER, #10	3	
		INCL. 27-34			999	1815-3021	TOW BAR	1	

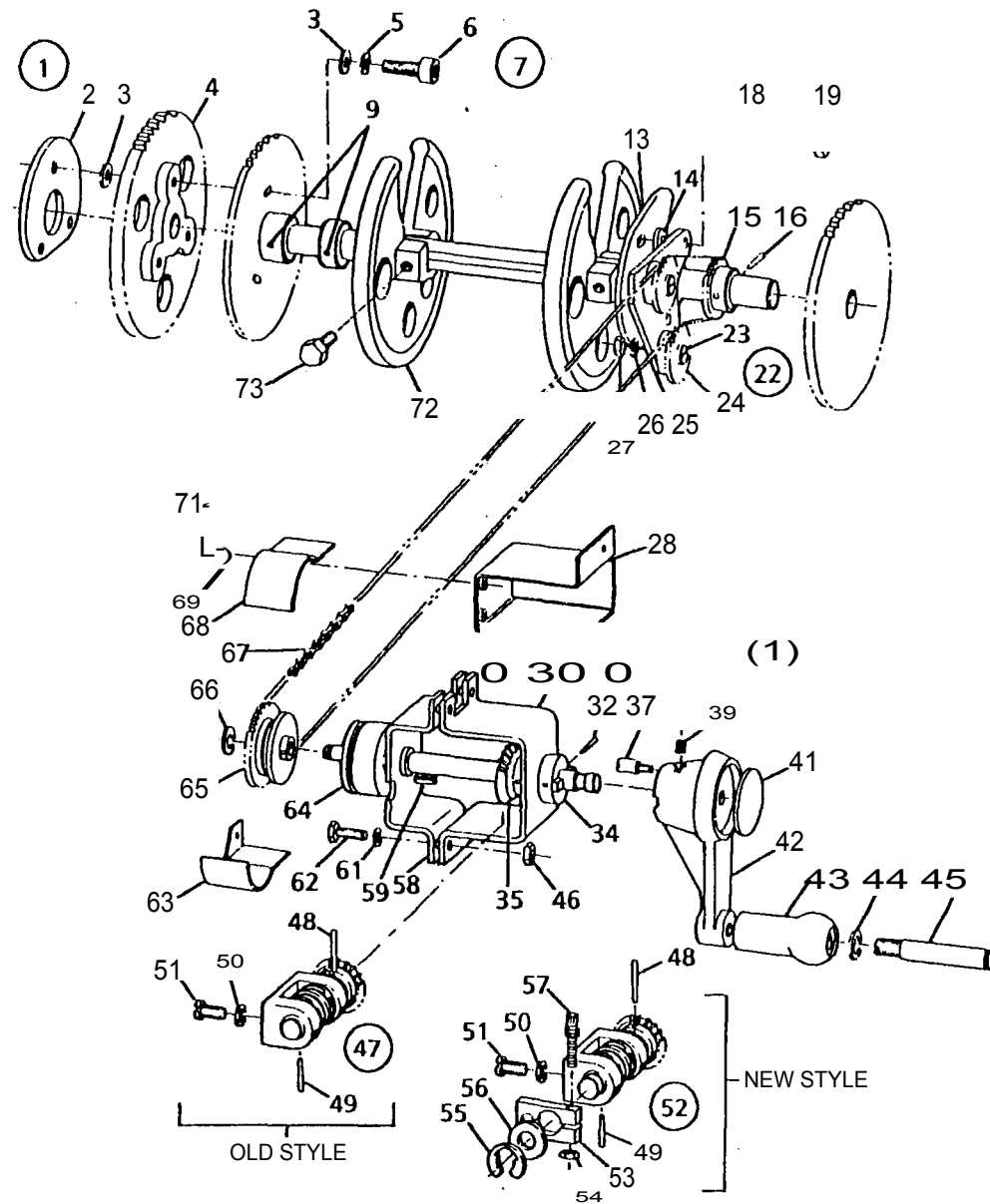
GROUP 66 - Gripper Bar Assembly



GROUP 66- Gripper Bar Asserly

KEY	PART NUMBER	DESCRIPTION	QTY NT
1	13-8-186242	BAR ASSY. PAPER GRIPPER INCL. 2-18	3
2	1815-5036	ROLLER	2
3	1815-5034-1	SPRING	1
4	1815-5033	COLLAR	1
5	ARM-9521	SET SCREW	1
6	27-1852	PIN, SET SCREW, EXT.	1
7	13-9-192421	PAPER GRIPPER	4
8	1215-5029-A	SHAFT	1
9	48-433-277A	SCREW, 10-32X1/2	
11	1815-5031	HOLDER, PAPER GRIPPER	4
12	48-403-112B	SCREW, 6-32X1/4	
13	48-433-3678	SCREW, SOC. 10-32X5/8	6
14	48-438-206R	WASHER, LOCK 410	6
15	A2-7271	ROLLER	1
16	1815-5035	SCREW, 1/4-20X11/16	1
17	190-3091	NUT	1
18	13-9-186241	BAR, GRIPPER	1
19	13-8-188438	BLOCK, CHAIN ADJUSTING	2
21	1815-5006	BRACKET, CHAIN ADJUSTING	2
22	48-438-208R	WASHER, LOCK	2
23	EF-5001	SCREW, 1/4-20X3/4	2
24	13-9-188692	SPRING, COMP.	2
25	13-7-188439	WASHER, SHOULDER	4
26	13-4-188440	SCREW, PRESS. ADJUST	2
27	185-703	NUT	2
28	1215-1026-A	SPROCKET ASSY. REAR	2
29	13-9-193882	SHAFT ASSY. REAR SPROCKET	1
31	1815-1028	COLLAR	4
32	OG-720	PIN	5
33	13-4-197607	CAM, PAPER DELIVERY N/S	1
	48-426-2008	SCREW, CAP BUT 1/4-20X3/8	1
	48-437-0318	WASHER, FLAT	1
	48-438-2088	WASHER, SPLIT LOCK	1
	48-426-2808	SCREW, CAP BUT 1/4-20X1/2	1
	1215-1033-A	CAM ASSY. PAPER DEL. 0/S	1
35	1215-5026	CHAIN, CHAIN DELIVER	2
	13-9-183560	CONNECTING LINK	2

GROUP 67 - Drive Shaft & Clutch Assembly



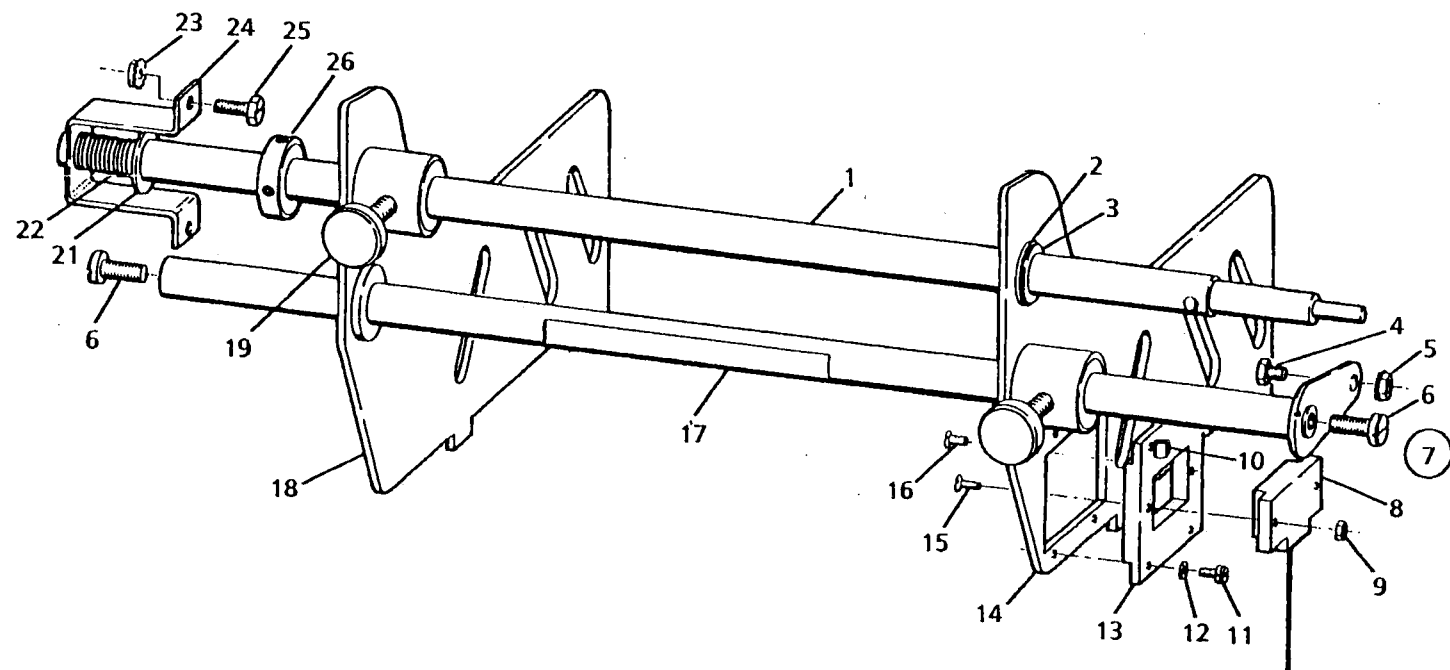
GROUP 67 - Drive Shaft & Clutch Assembly

KEY	PART NUMBER	DESCRIPTION	QTY NT	KEY	PART NUMBER	DESCRIPTION	QTY NT
	13-6-196219	DRIVE SHAFT, COMP. C.D.	1	39	WP-2330	SPRING	1
	13-4-195734	SHAFT ASSY COMP CD DRIVE	1	41	13-2-130352	INSERT, HANDLE	1
		INCL. 2-7		42	13-1-187601	CRANK	1
2	13-9-195663	CAM, JOGGER	1	43	13-4-142983	HANDLE, CRANK	1
3	3AL-1540	WASHER, PLAIN 5/8 OD	6	44	120-7335	WASHER, C	1
4	13-1-195653	GEAR, C.D. DRIVE	1	45	13-0-192289	PIN	1
5	48-438-209A	WASHER, SPLIT LOCK	3	46	48-435-043D	NUT, HEX 1/4-20	4
6	48-433-492F	SCREW, SOC 5/16-18X1	3	47	120-511-A	BRG. BLOCK ASSY. 0/S	1
7	13-8-195722	SHAFT ASSY. C.D. DRIVE	1	48	XM-415	TAPER PIN	1
9	10814	TAPER PIN	4	49	0G-501	TAPER PIN	1
13	1815-5020	CAM, PAPER GRIPPER	1	50	48-438-208R	LOCKWASHER 1/4	2
	10178	SCREW, HEX 5/8-18X5/8	2	51	48-411-4100	SCREW, 1/4-20X3/4	2
	3A 1-1560	WASHER	2	52	13-3-206987	WORM 8 BRAKE ASSY. N/S	1
	HG2-1120	WASHER, SPLIT LOCK	2			USE W/ N/S SHAFT GP 65 #9	
14	120-1013-1	WASHER	2	53	120-7035	BRAKE	1
15	13-8-195649	SPROCKET, 18T	1	54	XM-875	NUT, HEX 10-32X7/64	1
16	0G-318	TAPER PIN	1	55	170-1320	RING, RET.	1
18	48-438-5088	WASHER, LOCK	2	56	17-494	WASHER	2
19	48-411-412C	SCREW, HEX 5/16-18X3/4	4	57	48-411-687C	SCREW, 10-32X2	1
22	13-2-195736	BRACKET ASSY, IDLER 23-27	1		100-261	SPRING, COMP.	1
23	13-5-195642	SCREW, SHOULDER			F2-33242	WASHER, FLAT	1
24	13-0-195647	SPROCKET ASSY., IDLER	2	58	13-9-195747	SUPPORT ASSY-SHAFT INNER	1
25	13-2-195652	BRACKET, IDLER	1	59	302771	PIN, ROLL	1
26	A7-8614	WASHER	2	61	48-438-208R	WASHER, LOCK 1/4	4
27	190-102	NUT, KEPS 1/4-28	2	62	48-411-410D	SCREW 1/4-20X3/4	4
28	13-8-196084	GUARD, CLUTCH WIRE	1	63	13-2-196189	GUARD, CLUTCH LOWER	1
29	13-0-195704	SUPPORT ASSY. 30, 31	1	64	13-1-196024	CLUTCH ASSY.	1
30	13-8-195698	SUPPORT ASSY. SHAFT	1	65	13-3-195651	HUB 8 SPROCKET ASSY	1
31	13-1-195703	SHAFT ASSY., TABLE ADJ.	1	66	850-2014	WASHER	1
		INCL. 32-35		67	13-3-19 57 35	CHAIN	
32	CF-3301	PIN, TAPER 0-1 1/4	2	68	13-7-196192	GUARD, CLUTCH UPPER	1
34	13-1-195695	GEAR, LOWERING CRANK	1	69	48-438-504C	LOCKWASHER 18 EXT STAR	2
35	120-5117	GEAR, WORM	1	71	48-406-194C	SCREW. FIL 8-32X3/8	2
36	13-1-165532	CRANK ASSY. 37-45	1	72	13-8-188016	WHEEL, PAPER GUIDE	2
37	A7-87721	SCREW	1	73	1815-5038	SCREW, 5/16-18X1	2
38	185-5174	RETAINER, CRANK	1				

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Indicates Change

GROUP 68 - Paper Guide Assembly

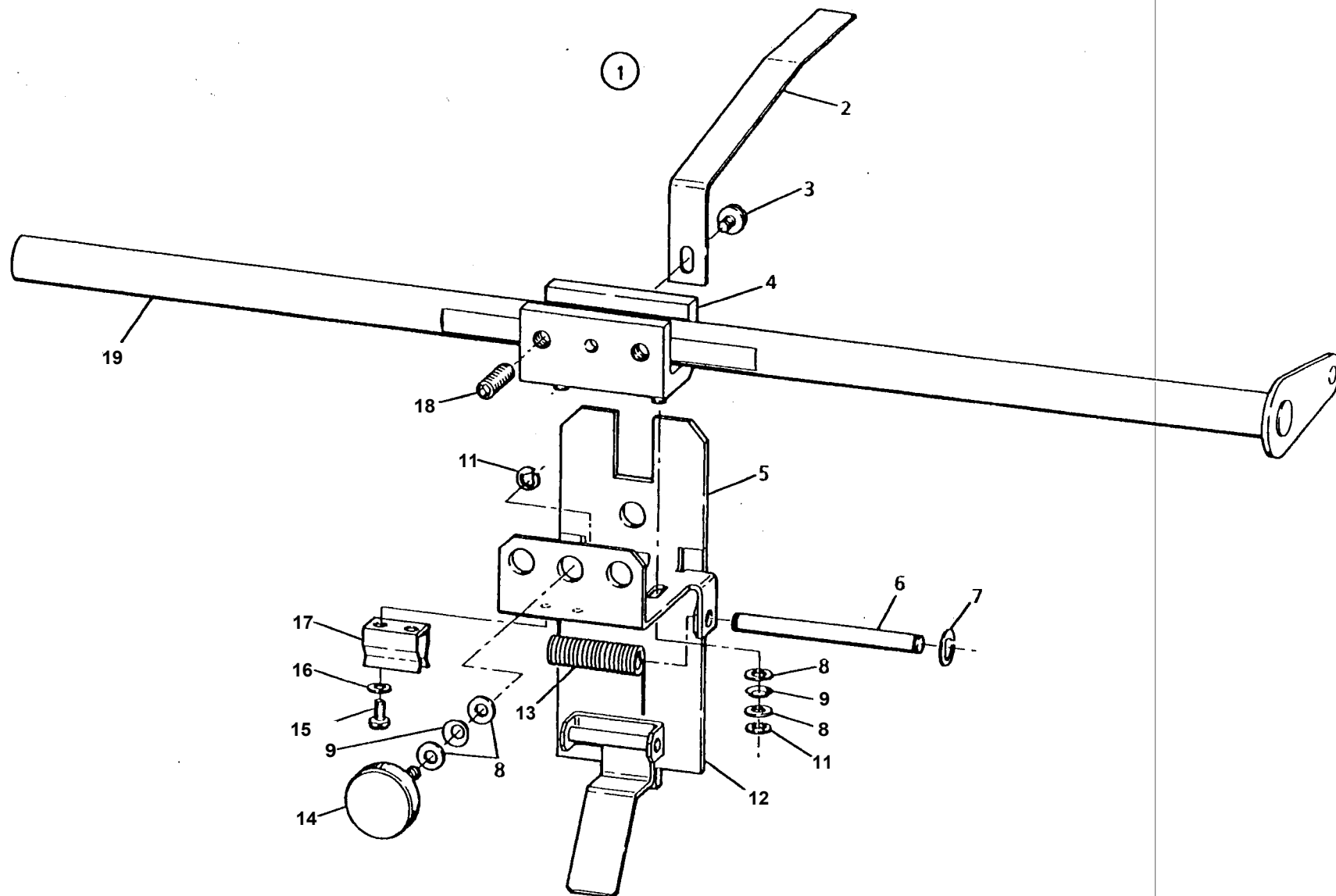


GROUP 68 - Paper Guide Assembly

KEY	PART NUMBER	DESCRIPTION	QTY NT
1	13-2-188863	SHAFT, SIDE JOGGER	1
2	307327	RING, RET.	2
3	13-6-191467	BUSHING	2
4	13-0-182249	STUD, ECC.	1
5	50162	NUT	2
6	69-188	SCREW, 1/4-24X19/32	2
7	13-8-196043	PROXIMITY SWITCH ASSY. INCL. 8-13, 15, 16	1
8	13-3-195669	PROXIMITY SWITCH	1
9	50156	NUT, KEPS 4-40	2
10	48-063-1122	CABLE CLAMP 3/16	1
11	48-406-108B	SCREW, FIL HD 4-40X ¹ / ₄	4
12	48-438-402B	WASHER, LOCK #4 INT.	4
13	13-2-195603	PLATE, SW. MTG.	1
14	13-4-195601	GUIDE ASSY., PAPER SIDE	1
15	48-409-398D	SCREW, 4-40X3/4	1
16	48-409-358D	SCREW, 4-40X5/8	1
17	13-7-195798	ROD ASSY., PAPER GUIDE	1
18	13-1-195604	PLATE ASSY., JOGGER SIDE	1
19	13-2-189952	THUMBSCREW ASSY.	2
	1815-6006	PIN	2
21	17-494	WASHER	1
22	XM-97	SPRING	1
23	50162	NUT	1
24	13-8-190251	RETAINER, SPRING	1
25	48-412-277C	SCREW, HEX 10-32X1/2	2
26	185-5516	COLLAR	1
	XM-981-4	SET SCREW	2

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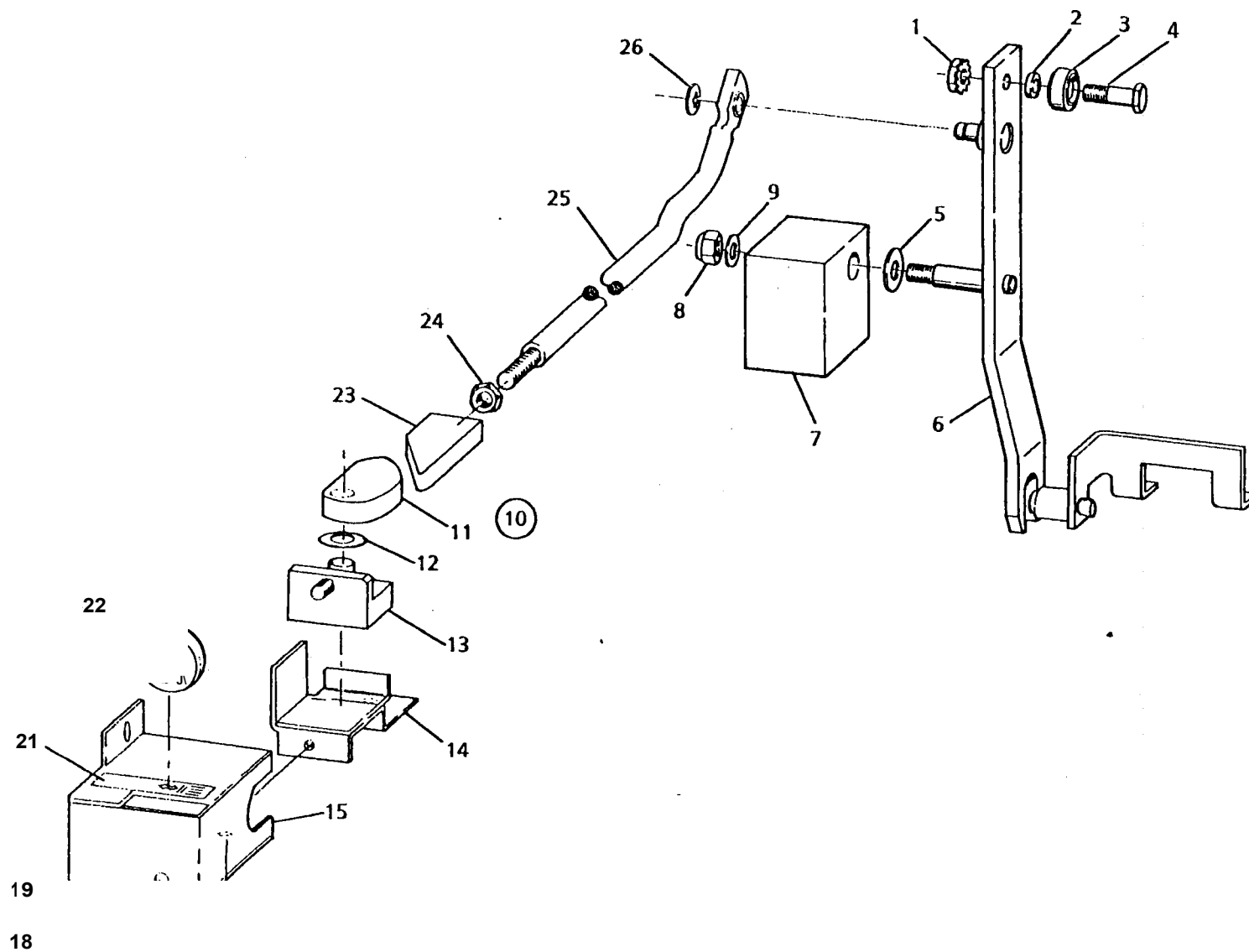
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GROUP 69- Paper Stop/Stripper Assembly

GROUP 69 - Paper Stop/Stripper Assembly

KEY	PART NUMBER	DESCRIPTION	QTY NT
1	13-1-195794	PAPER STOP & STRIPPER ASY	1
		INCL. 2-18	
2	13-2-195793	FINGER, STRIPPER	1
3	120-542	SCREW, SEM 8-32X3/16	1
4	13-1-195786	ROD HOLDER ASSY.	1
5	13-4-195791	STOP. UPPER WELDMENT	1
6	13-0-195787	PIN	1
7	60829	RING, RET.	2
8	48-437-025D	WASHER	6
9	310-245	WASHER, WAVE	3
11	60964	RING, RET.	3
12	13-3-195792	STOP, LOWER WELDMENT	1
13	13-0-195795	SPRING, TORSION	1
14	13-8-195789	SCREW ASSY.	1
15	48-406-113C	SCREW, MACH. 6-40X1/4	2
16	48-438-404B	WASHER, LOCK INT. 46	2
17	13-3-195784	CLIP, SPRING	1
18	13-9-195796	SET SCREW 1/4-28X3/4	2
19	13-7-195798	ROD ASSY. PAPER GUIDE	1

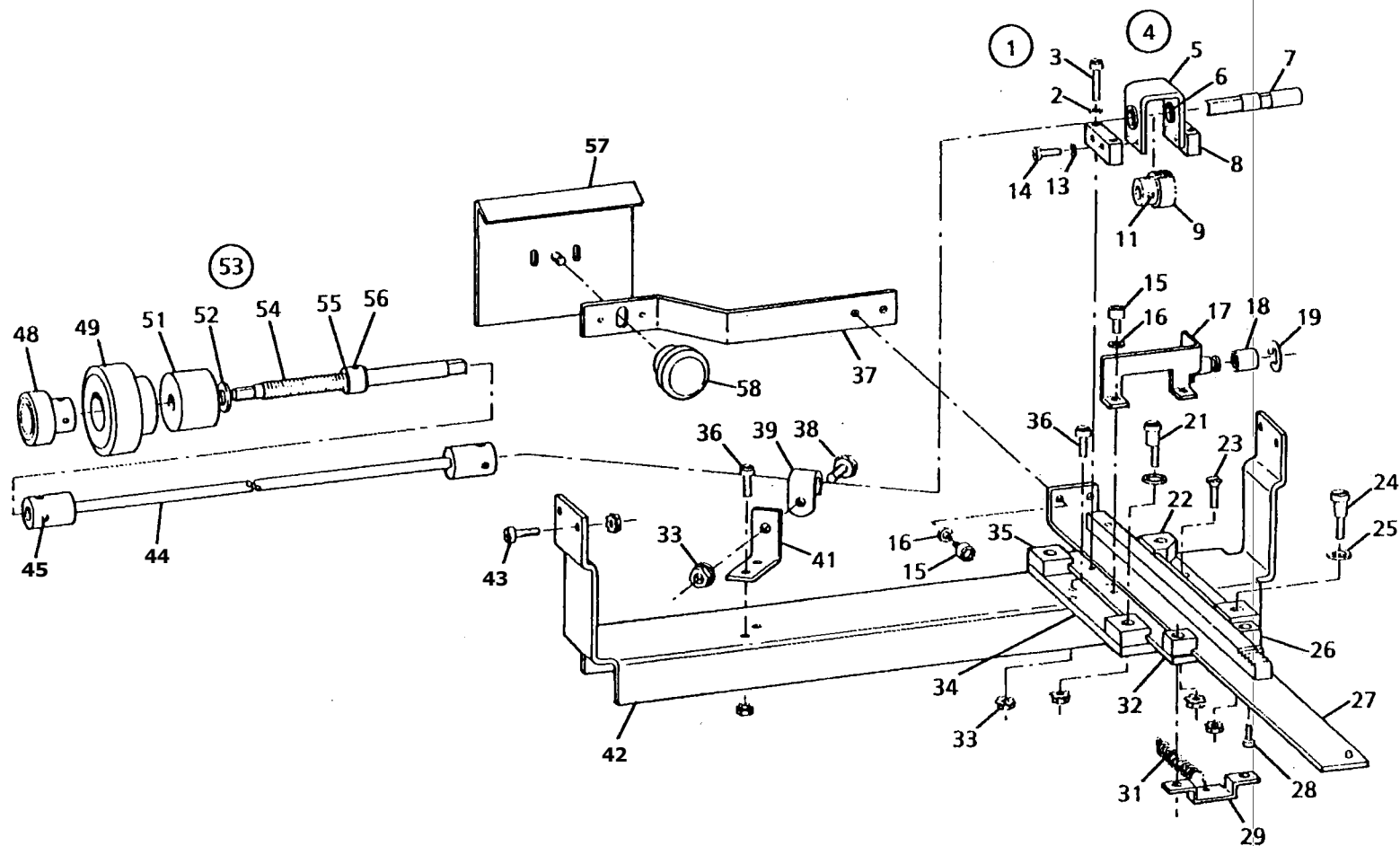
GROUP 70- Jogger Activating Assembly



GROUP 70 - Jogger Activating Assembly

KEY	PART NUMBER	DESCRIPTION	QTY NT
	13-5-196921	LEVER BLOCK ASSY. JOGGER	1
		INCL. 1-9	
1	190-102	NUT, KEPS 1/4-28	1
2	13-3-196915	SPACER, WASHER	1
3	120-5562	BRG., BALL	1
4	13-4-196914	SHAFT, BRG.	1
5	69-1202	WASHER	1
6	13-6-196920	LEVER ASSY., JOGGER	1
7	13-1-196917	BLOCK, PIVOT ASSY.	1
8	301460	ELASTIC STOP NUT	1
9	190-5054	WASHER	1
10	13-3-195719	ACTIVATING ASSY 11-22	1
11	13-5-195667	PIVOT, JOGGER	1
12	0G-401	WASHER	1
13	13-5-195675	PIVOT BLOCK ASSY.	1
14	13-8-195672	SUPPORT BRACKET ASSY.	1
15	13-4-195668	HOUSING, JOGGER	1
16	48-438-504A	WASHER, STAR LOCK #8	1
17	48-425-1548,	SCREW, TRUSS HD 8-32	1
18	48-406-1578	SCREW, FIL HD 10-32	1
19	48-438-505A	WASHER, STAR LOCK 1110	1
21	13-8-195748	LABEL, MICRO ADJUST	1
22	120-6019	NUT	1
23	13-6-195666	ACTIVATOR, JOGGER	1
24	48-435-043D	NUT, HEX 1/4-20	1
25	13-7-195665	JOGGER SHAFT ASSY.	1
26	60829	RING, RET.	1

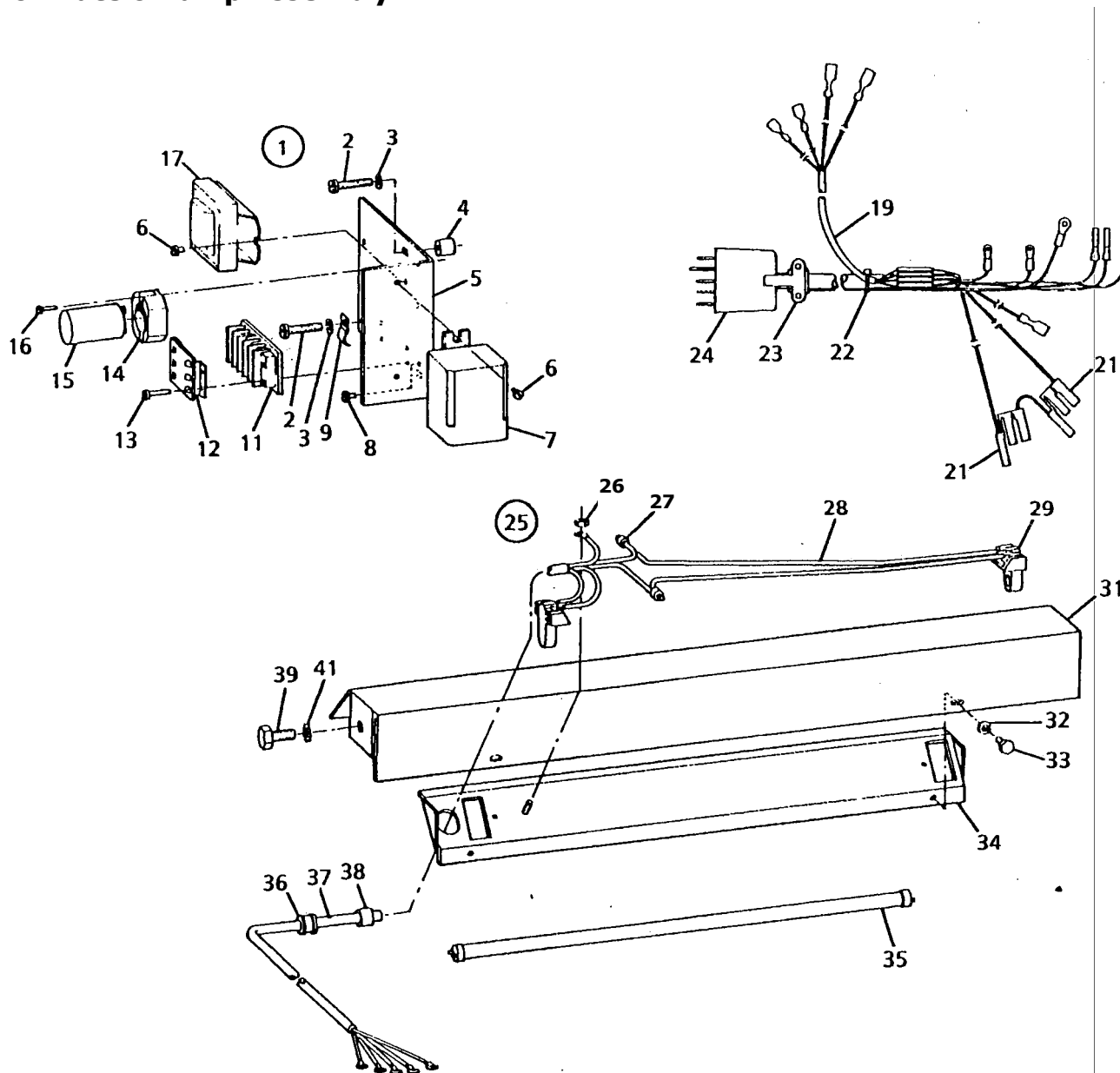
GROUP 71 - Jogger Assembly, Front



GROUP 71 - Jogger Assembly, Front

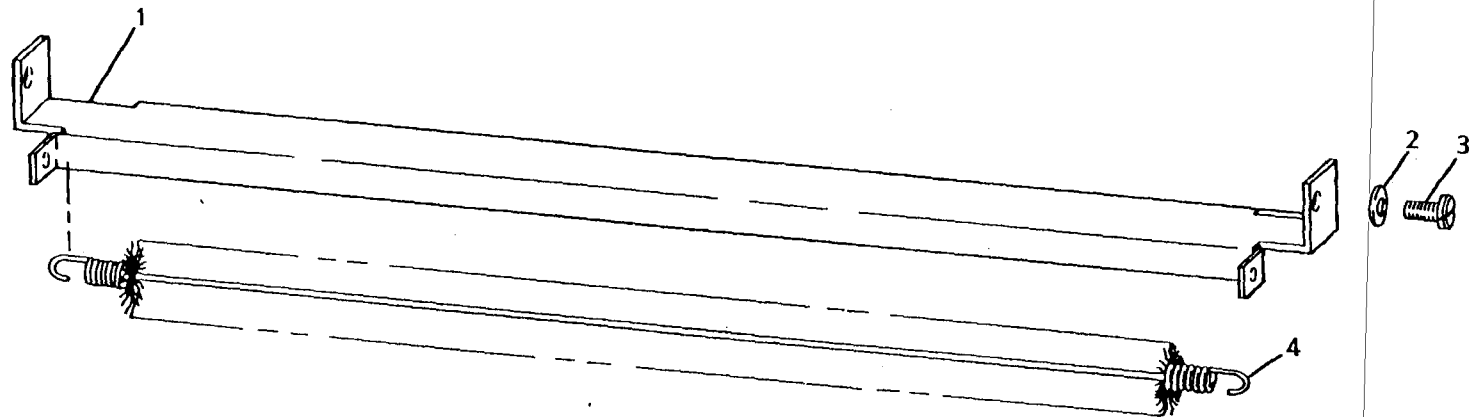
KEY	PART NUMBER	DESCRIPTION	QTY	NT
1	13-6-195716	JOGGER ASSY. FRONT	1	
2	48-438-205A	WASHER. LOCK na	4	
3	48-406-404B	SCREW, FIL 8-32X.750	4	
4	13-5-195717	GEAR ASSY., PINION (5-14)	1	
5	13-8-195623	HOUSING, PINION	1	
6	66051	BEARING, NYLON	2	
7	13-3-195628	SHAFT, JOGGER GEAR	1	
8	13-9-195622	GUIDE BLOCK	2	
9	13-6-195625	GEAR, PINION	1	
11	50602	SCREW, SET 10-32X.187	1	
13	48-438-405R	WASHER #8	4	
14	48-419-2748	SCREW, FIL. 8-32X.500	4	
15	48-433-197F	SCREW, St-IM 10-32X.375	4	
16	48-438-206A	WASHER, LOCK #10	4	
17	13-0-195621	BRIDGE BRACKET ASSY.	1	
18	852-20007	BUSHING	1	
19	850-2014	E-RING	1	
21	13-2-195645	SCREW, SHOULDER ECC SLIDE	3	
22	13-4-195676	BLOCK, SLIDE	1	
23	48-409-2778	SCREW, 10-32X ³ / ₈		
24	13-3-195644	SCREW, SHOULDER SLIDE	3	
25	13-1-195646	WASHER, WAVE SPRING	6	
26	13-4-195643	BLOCK, SLIDE	2	
27	13-4-195718	RACK ASSY.	1	
28	48-409-194C	SCREW, 8-32	3	
29	13-9-195630	BKT., SPRING	1	
31	13-7-193280	SPRING, EXTENSION	1	
32	13-5-195618	SLIDE	1	
33	50162	NUT, KEPS 10-32	10	
34	13-6-195617	SUPPORT, SLIDE	1	
35	13-2-195629	BLOCK, SLIDE	3	
36	48-419-2778	SCREW, 10-32X1/2	3	
37	13-7-195632	ARM ASSY., PUSHER PLATE	1	
38	48-412-277C	SCREW, HEX 10-32X1/2	1	
39	48-063-1103	CLAMP, PLASTIC CABLE	1	
41	13-7-195715	SUPPORT, FLEX ADJUST CBLE	1	
42	13-8-195714	BRACE, JOGGER	1	
43	48-433-36711	SCREW, SOC 10-32X5/8	2	
44	13-6-195641	FLEX JOGGER SHAFT ASSY.	1	
45	50603	SET SCREW 10-32X ¹ / ₄	4	
48	13-4-195692	KNOB, ADJ. STOP	1	
49	13-5-195691	KNOB	1	
51	13-1-195737	SPACER	1	
52	48-438-509A	WASHER, EXT. TN	1	
53	13-3-195693	JOGGER LOCKING SHAFT ASSY	1	
54	13-9-195689	SHAFT	1	
55	930-1838	COLLAR	1	
56	15283	ROLL PIN	1	
57	13-5-195634	PUSHER PLATE ASSY.	1	
58	13-0-195712	KNOB, JOGGER PLATE LOCK	1	
999	13-1-195638	EXT. PLATE ASSY.	1	

GROUP 72 - Control Plate & Lamp Assembly

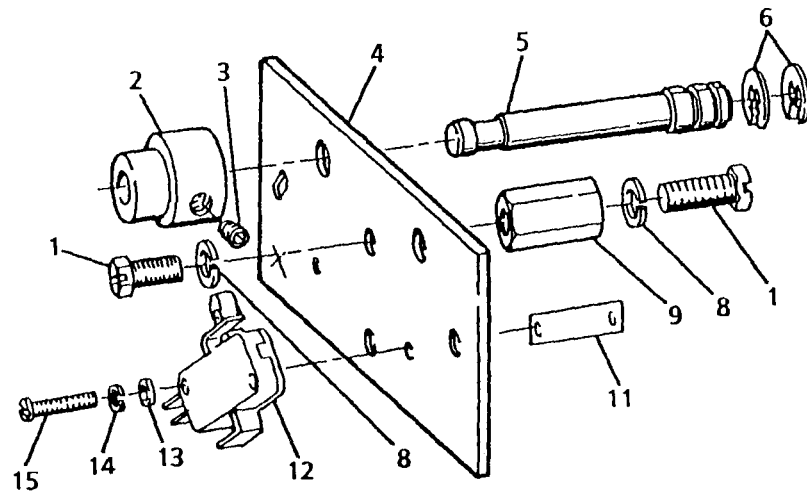


GROUP 72 - Control Plate & Lamp Assembly

KEY	PART NUMBER	DESCRIPTION	QTY NT
1	13-9-196026	PLATE ASSY. CONTROL 2-26	1
2	48-406-5270	SCREW, FIL 10-32X1-1/8	3
3	48-438-505R	LOCKWASHER	3
4	20451	STANDOFF	3
5	13-0-196025	PLATE, CONTROL	1
6	48-422-082C	SCREW, RD 6-32X3/16	2
7	48-210-0201	RELAY, 10A, 24VAC	1
8	48-419-084C	SCREW, PAN 8-32X3/16	1
9	48-063-1106	CLAMP, CABLE 7/16	1
11	48-276-0005	TERMINAL STRIP	1
12	13-3-187328	COVER, TERMINAL BLOCK	1
13	48-422-312C	SCREW, RD 6-32X9/16	4
14	E119-170-A	SOCKET ASSY., STARTER	1
15	E75-18	STARTER, FLUORESCENT	1
16	48-419-1880	SCREW, PAN 4-40X3/8	2
17	E75-17-A	BALLAST, 60 CY.	1
	E75-17-1A	BALLAST, 50 CI.	
19	13-7-196028	HARNES	1
21	13-9-161319	HSG., RECEPTACLE	2
22	48-250-0001	TY-WRAP	1
23	48-080-0429	GROMMET	1
24	13-9-181218	PLUG, 15 POS.	1
25	13-2-196080	REFLECTOR ASSY. 12"	1
		INCL. 26-29, 34, 37, 38	
26	48-435-031C	NUT, HEX 8-32	1
27	13-7-193603	CONN. WIRE	2
28	13-2-181058	JUMPER ASSY.	2
29	13-4-181056	SOCKET, LAMP	2
31	13-7-196077	TIE BAR ASSY.	1
32	48-438-503R	WASHER, LOCK #6	2
33	48-412-192C	SCREW, HEX 6-32	2
34	13-5-196079	REFLECTOR, 12"	1
35	E14-38	LAMP, 13W	1
36	48-011-0009	BUSHING, STRAIN RELIEF	1
37	13-9-194633	LAMP CORD ASSY.	1
38	48-011-0012	BUSHING, STRAIN RELIEF	1
39	48-411-2808	SCREW, MACH. 1/4-20X1/2	2
41	48-438-507C	WASHER, LOCK EXT. TH 1/4	2

GROUP 73 - Tinsel Holder

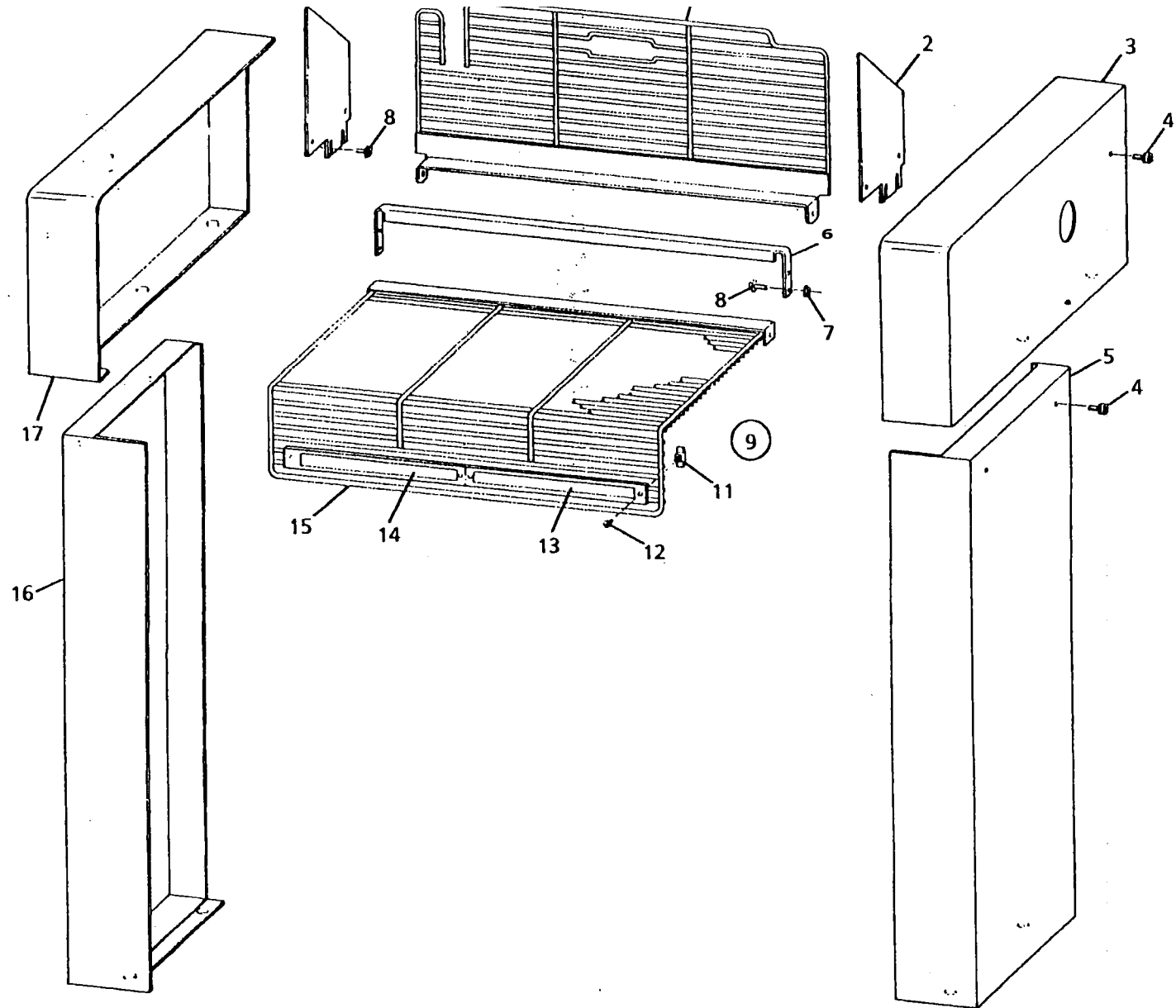
KEY	PART NUMBER	DESCRIPTION	QTY NT
1	13-0-196074	BKT., TINSEL HOLDER	1
2	3A-2614	WASHER, 10-7/16 ID	2
3	48-425-197C	SCREW. TR 10-32X ³ / ₈	2
4	13-5-186591	TINSEL	

GROUP 74- Safety Switch

KEY	PART NUMBER	DESCRIPTION	QTY	NT
1	48-412-197C	SCREW, 10-32X3/8		
2	13-5-187318	CAM, SWITCH	2	
3	50648	SET SCREW	2	
4	13-8-187323	PLATE, SWITCH MTG.	1	
5	13-4-187319	PIN, PIVOT	2	
6	6400-6080	WASHER, C	4	
8	48-438-206R	LOCKWASHER, 110		
9	13-9-187322	STANDOFF	2	
11	13-7-160677	SPEED HUT, TWIN	2	
12	64205	SWITCH	2	
13	48-437-0130	WASHER 114	4	
14	48-438-202R	LOCKWASHER 14	4	
15	48-406-398D	SCREW, FIL 4-40X1/2	4	

1450/1650 Chain Delivery

GROUP 75- Covers



GROUP 75- Covers

KEY	PART NUMBER	DESCRIPTION	QTY NT
1	13-6-195930	COVER ASSY., COMP. FRONT	
2	13-7-189205	TOP COVER, SIDE	2
3	13-5-208288	PANEL, UPPER L.	1
4	13-4-208214	SCREW, SEMS 10-32X ³ / ₈	2
5	13-7-203252	PANEL, LOWER L.	1
6	13-8-189204	BRACKET, COVER GAP	1
7	50162	NUT, KEPS 10-32	2
8	48-412-277C	SCREW, HEX 10-32X1/2	6
9	13-7-184941	COVER ASSY., REAR	1
11	13-2-188137	RETAINER, SCALE ASSY.	4
12	48-417-1128	SCREW, PAN 6-32X1/4	
13	13-4-188135	SCALE ASSY., CD GUIDE	1
14	13-3-188136	SCALE ASSY., CD JOGGER	1
15	13-6-187317	COVER, REAR	
16	13-8-208251	PANEL, LOWER R.	
17	13-9-208292	PANEL, UPPER R.	1

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PART NUMBER	DRAWS KEY	PART NUMBER	DRAWS KEY	PART NUMBER	DRAWS KEY	PART NUMBER	DRAWS KEY
AC-894	47 29	84-2474-1	18 28	F2-6935	55 18	KR-102201	62 33
ARM-758	27 54	EF-3301	67 32	12-7022	46 12	KR-102201	63 34
ARM-758	55 26	EF-3500	17 68	HA-1133	57 21	KR-102215	63 15
ARM-859	9 3	EF-3500	36 22	HA-3515	12 28	KR-102225	60 12
ARM-882	38 32	E1-4307	5 25	HA-3515	13 19	KR-102225	61 42
ARM-9521	6 68	E1-4600	55 22	HA-4109	56 38	KR-102306	60 41
ARM-9521	18 33	EF-5001	46 35	HA-5121	37 41	KR-102308	61 4
ARM-9521	20 44	EF-5001	64 13	HA-5121	39 19	KR-102320	62 27
AR1-9521	63 36	EF-5001	66 23	1152-1120	9 14	KR-102320	62 49
ARM-9521	66 5	EF-5204	10 13	1152-1120	67 13	KR-102657	62 3
AR1-980	10 13	E119-170-A	72 14	KG-2003	8 9	KR-102690	60 42
AM-191	17 42	E12-3	16 62	KG-2948-1	17 31	KR-102700	59 31
AXM-27	22 29	E121-79	7A 27	KG-3288	55 24	KR-102701	60 24
AXM-27	25 31	(131-81	48 19	KG-7309	38 57	KR-102701	62 43
AXM-27	29 24	E131-81	48A 19	KG-7309	47 6	KR-103106	60 28
A2-5102	22 3	E131-81	480 17	KG-7309	47A 6	KR-103106	60 37
A2-7271	66 15	E14-38	72 35	KR-SP-25701	59 19	KR-103106	61 11
A4A-2704	47 17	(25-148	58 27	KR-SP-25701	62 42	KR-103110	62 28
A7-7207	36 11	E25-210	19 48	KR-SP-25702	59 16	KR-103110	62 39
A7-8614	22 53	(25-210	58 34	KR-SP-25702	62 1	KR-103110	62 56
A7-8614	37 3	E25-5	58 23	KR-SP-25703	61 18	KR-103405	62 8
A7-8614	40 8	(33-2	16 49	KR-SP-25704	61 33	KR-103500	61 5
A7-8614	67 26,	E75-17-A	72 17	KR-SP-25706	63 16	KR-104100	60 29
A7-87721	3 9	E75-17-1A	72 17	KR-SP-25707	62 17	KR-104106	62 14
A7-87721	67 37	E75-18	72 15	KR-SP-25708	62 53	KR-104106	63 12
A7A-83150	12 16	12-1103	19 23	KR-SP-25709	61 14	KR-104106	63 24
A7A-83150	13 23	12-1103	25 14	KR-SP-25709	62 57	KR-104400	60 22
A7C-4362	3 42	12-1103	35A 36	KR-SP-25710	63 22	KR-105201	62 51
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OP4511A01	47A 12	F2-1575	44 24	KR-SP-25713	59 13	KR-105338	62 26
BP5000A808	47 9	12-2064	1 29	KR-SP-25705	63 33	KR-105351	60 39
BP5000A1308	47A 12	12-2064	8 8	KR-SP-25753	59 39	KR-105457	60 36
8P5000P08	47 9	12-2064	12 9	KR-SP-25754	59 45	KR-106700	60 5
BP5201A11	47 9	12-20651	7A 12	KR-SP-25754-1	59 41	KR-106700	61 8
OP5201A11	47A 12	12-33242	2 15	KR-SP-25755	59 44	KR-106700	62 11
CC-1010	22 54	F2-33242	4 12	KR-SP-25756	59 42	KR-106702	59 36
CP10 ³ -1059	18 36	12-33242	6 4	KR-100109	59 8	KR-106736	60 16
CP-1032	43 4	F2-33242	12 6	KR-100409	60 7	KR-106815	59 15
C1-5110	25 6	F2-33242	12 27	KR-100601	59 36	KR-107307	61 7
C1-5110	56 11	12-33242	13 22	KR-100603	61 17	KR-107401	61 37
02-1900	22 37	12-33242	17 34	KR-100700	61 6	KR-107404	62 45
D2-5519	38 49	F2-33242	27 28	KR-100700	62 9	KR-107407	61 13
03-2007	46 22	12-33242	55 30	KR-100701	61 16	1(11-107407	62 2
D3-4632	38 13	12-3330	26 36	KR-101957	62 29	1(11-107407	62 15
03-4632	58 5	12-3330	32 7	KR-102113	60 16	KR-107407	62 47
03-5225	17 25	F2-3652	7 53	KR-102119	59 43	KR-107408	59 24
03-5225	25 35	F2-6004	7A 16	KR-102119	60 5	1(11-107409	59 25
03-5528	5 31	12-6004	16 5	1(11-102200	60 34	KR-107409	60 26

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PART NUMBER	DRAWG KEY	PART NUMBER	DRAWG KEY	PART NUMBER	PRANG KEY	PART HNUMBER	DRAWG KEY
1(11-107413	60 8	KR-500709-4	59 999	KR-SO 3622-A	62 54	NOTE: 2	48A 999
KR-107419	61 44	KR-500715	59 11	KR-503624	61 47	OG-1305	3 44
KR-107428	59 14	KR-500726-A3I1	60 33	KR-503625-1	62 4	OG-1305	4 '4
1(11-107428	60 15	KR-500729	62 52	KR-503655	60 43	OG-1305	4 18
1(11-107428	61 45	KR-500730	60 9	KR-503656	62 36	OG-1305	12 59
1(11-107429	61 41	KR-SO 0730-T	60 9	KR-503669	61 38	OG-302	3 11
1(11-107500	59 1	KR-500730-1	60 9	KR-503670	61 15	OG-318	6 9
1(11-107500	60 47	KR-500735	61 46	KR-503671	61 9	OG-318	6 71
1(11-107500	61 1	KR-500737	61 43	KR-503701	61 2	OG-318	67 16
KR-107502	59 18	KR-500738	61 23	KR-503712	59 7	OG-401	8 24
1(11-107502	61 39	KR-500739	61 24	KR-503729	62 56	OG-401	13 35
1(11-107504	59 12	KR-500740	61 26	KR-503750	61 28	OG-401	56 20
KR-107504	60 4	KR-500744	60 45	1(11-503750-0 RING	61 28	OG-401	70 12
KR-107511	60 9	1(11-500745-A	60 35	KR-503751	61 19	OG-412	45 22
1(11-107514	61 25	KR-500748	62 34	1(11-503751-1	61 19	OG-424	3 30
KR-107517	59 29	KR-500750	61 12	1(11-503751-2	61 19	OG-424	65 48
KR-107622	60 13	KR-500751	61 11	1(11-503751-3	61 19	OG-501	3 57
1(11-107622	60 34	KR-500755	60 1	1(11-503751-4	61 19	OG-501	67 49
1(11-107623	62 37	KR-500760	59 28	KR-503752	61 48	OG-5250	16 22
K1-107623	62 41	1(11-500760-A	59 26	KR-503753	59 17	OG-560-1/2	19 28
1(11-107624	60 31	KR-500762	59 27	KR-503777	60 37	OG-635.	7A 10
1(11-107627	59 8	KR-500764	59 37	KR-503786	60 48	OG-635	9 23
1(11-107629	59 6	KR-500765	59 23	KR-503786-1	60 49	OG-635	45 23
K11-107633	60 38	KR-500766	59 36	KR-503788	60 31	OG-720	65 2
KR-107633	62 31	KR-500767	59 5	KR-503799	59 4	OG-720	66 32
K11-107633	63 13	KR-500770	59 8	MA-742-6	22 1	OG-905	13 3
1(11-107635	59 9	KR-500771	59 34	NOTE 1:	1 999	OG-929	55 14
1(11-107637	62 6	KR-500775	59 32	NOTE 1;	6 999	PX-145	17 7
1(11-107680	60 16	KR-500785	62 44	NOTE 1:	15 999	PX-2291	22 38
KR-107705	61 22	KR-500788	60 3	NOTE 1:	18 999	PX-42	36 33
1(11-107708	61 21	KR-500790	60 2	NOTE 1:	19 999	PX-42	44 27
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KR-110140	62 5	KR-500806	60 18	NOTE 1:	33 999	ULG-508	57 17
1(R-110157A	62 13	KR-500807	60 23	NOTE 1:	34 999	ULG-6011	3 43
1(R-110157A	63 23	KR-500808	60 14	NOTE 1:	40 999	ULG-6214	36 32
1(11-110200A	63 11	KR-500809	60 21	NOTE 1:	41 999	VENDOR SUPPLIED	488 39
1(11-110234	61 41	KR-500810	60 6	NOTE 1:	48A 999	WP-2330	3 7
1(11-110272	63 8	KR-500812	60 19	NOTE 1:	488 999	WP-2330	67 39
1(11-190600	60 44	KR-500832	59 3	NOTE 1:	50 999	XM-149	47 6
KR-190604	61 31	KR-500845	59 2	NOTE 1:	53 999	XM-149	47A 6
1(11-190606	61 29	KR-500847	59 22	NOTE 2:	18 999	XM-236	56 7
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48-411-407C	33 41	48-412-277C	351 39	48-419-2778	71 36	48-426-2808	66 33
48-411-407C	33 84	48-412-277C	64 37	48-419-277C	34 55	48-426-370C	28 22
48-411-4108	50 999	48-412-277C	64 41	48-419-4828	53 14	48-426-370C	30 5
48-411-4108	53 24	48-412-277C	65 51	48-419-5648	40 39	48-433-194f	20 47
48-411-4108	54 999	48-412-277C	68 25	48-419-5640	41 29	48-433-194F	57 5
48-411-410C	28 17	48-412-277C	71 38	48-422-082C	72 6	48-433-1978	21 17
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48-411-4100	67 51	48-412-280C	481 55	48-422-2748	23 16	48-433-200F	36 28
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48-435-0360	33 41	48-437-0230	39 54	48-438-204R	55 6	48-438-206R	57 2
48-435-0360	33 85	48-437-0230	40 16	48-438-204R	57 23	48-438-206R	58 36
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48-435-043C	486 64	48-437-0268	16 55	48-438-2058	0 3	48-438-2088	28 16
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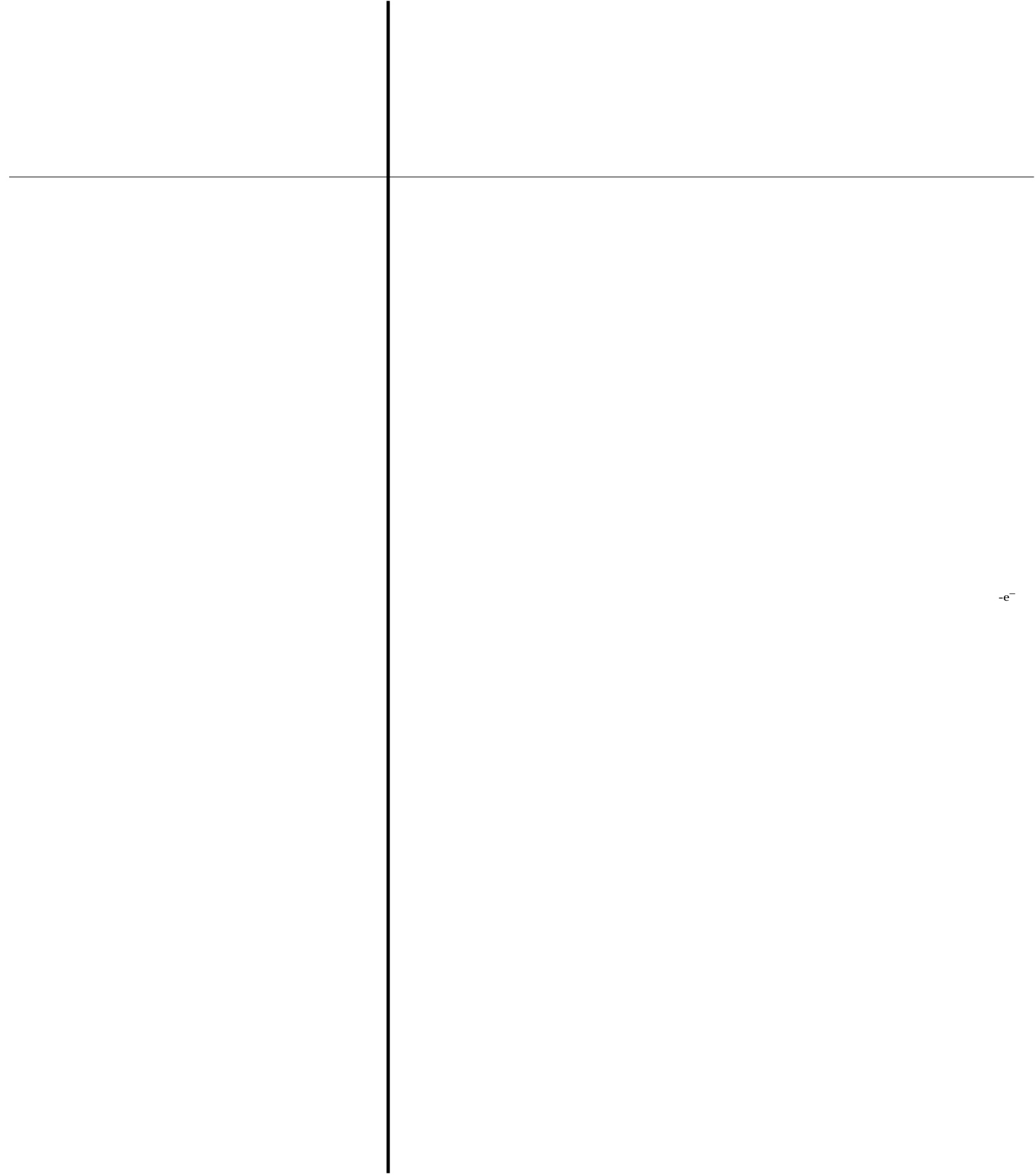
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48-438-501C	45 29	48-502-130A	63 25	50613	46 49	64266	48 47
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48-438-503A	22 32	48-503-131A	63 42	50648	26 14	64266	488 22
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48-438-504A	70 16	492-00012	30 3	58-260	18 44	660-1234	31 17
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700-9272	33 9	86-422	17 29	91819	30A 50	976-1250	24 11
71-4006	46 34	86-433	12 65	91826	30A 4	976-1250	25 41
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