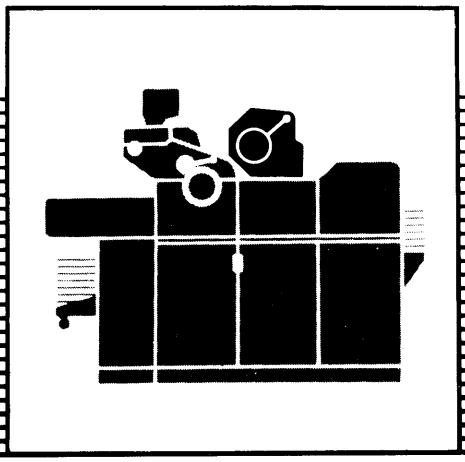
SMALL OFFSET PRESS

HAMADA

70



PARTS CATALOG

HAMADA

HAMADA PRINTING PRESS CO.,LTD.

1989. 10. (2)
PRINTED IN JAPAN

はじめに

弊社はこれまで多量のご注文をいただき,また,その量も新しいハマダシリーズ発表と共に益々増加の一途をたどっていることに強い誇りを持つと共に皆様に厚く有難くお礼申上げる次第でございます。

この小冊子は，ハマダシリーズご使用の皆様方がご愛用機を常時最高の状態に維持して行くために何らかの調整並びに修理をする際の便宜をはかれればと思って準備したものでございます。“ハマダシリーズ”はこれまでに販売されています小型オフセット印刷機の内で最も斬新にしてコンパクトなもので，機構的にも，性能的にもまた，その経済性においてもご使用の皆様にきっとご満足戴くことができると思います。

多年に亘って高い能率と経済性を維持して行く為には、ご愛用各位におかれましての適切な注意，点検と品質の高い部品との交換を計ることが不可欠なことでございます。

弊社には常時，厳選された部品が豊富にストックしてありますので，“ハマダシリーズ”ご修理の際は弊社から直接純正部品を取り寄せてご使用下さるようお勧めいたします。

皆様に一段と秀れた改良機を紹介するため,我々は絶えず調査活動を行っておりますし，これまでも強力な活動を続けて参っております。

弊社“ハマダシリーズ”を尚一層ご利用下さいますよう伏してお願い申し上げます。

パーツカタログの使用方法について

1．このパーツカタログは，必要な部品をイラスト図面と照合するだけで確認できるようになっております。

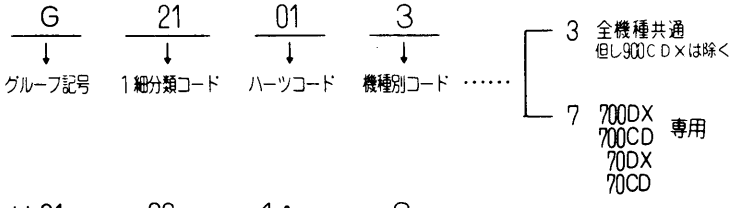
ご注文の際には、ご使用の機械名と機械番号、パーツカタログの左上にありますフイギュアーコード番号および必要部品のインデックスNoと必要数量を連絡するだけで注文ができます。

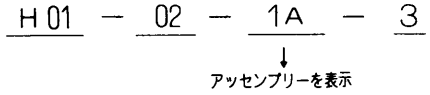
但し部品の中には構造上，精度上の関係から工場出荷時より組付けた状態（アッセンパーツ）で出荷せざるを得ない部品がありますので予めご了承願います。

2．サテライト2カラーの部品番号には，サテライト2カラー専用部品と附属部品の2種類に大別されております。

サテライト2カラー専用部品の番号構成は次の通りです。

例　G01−07−3





3．ハマダシリーズに使用されております附属部品（ボルト，ナット，ワッシャー等）は個々部品の寸法の違いにより数多い点数となります。

従ってこれらの部品は，ハマダシリーズ専用部品とは区別し，弊社の全製品（高速度凸版輪転機，オフセット輪転機等）に使用されている附属部品と規格を整理統一，特別な番号を付けてあります。

番号の数字によってその部品の規格が判明するようになっており，かつまた，生産の合理化を目標としたものです。

例　101 － 366

101 － 366

101 ↓ 六角ボルトの標示

366 ↓ 6㎜径×16㎜長

（従って 101－366 の部品は六角ボルトで，径が6㎜長さが16㎜であることが判明する訳です。）

これらの附属部品の番号，仕様の一覧表は４Ｐを参照してご利用下さい。

4．このパーツカタログはサテライト２カラー専用部品（Ｇ）と本機と互換の利く部品（Ｈ．Ｍ．Ｒ．Ｉ．Ｂ．Ａ．Ｅ.）から構成されております。

専用グループ

Ｇグループ…… サテライト２カラーユニット

兼用グループ

Ｈグループ……給 紙 部

Ｍグループ……印 刷 部

Ｒグループ……給 湿 部

Ｉグループ……インキ部

Ｂグループ……カバー部

Ａグループ……排 紙 部

Ｅグループ……電 気 部

5．このパーツカタログは，精密な立体組立図により構成されておりますから，御社での簡単な修理作業及びサテライト２カラーのメカニズムを理解する上に於て本書は十分にお役にたつことと存じます。

6．このパーツカタログは，予告なく変更する場合があります。

How to use Parts Catalog:

1. Find the parts you need in the illustrations and get their code numbers and descriptions in this parts catalog. Your order must show: ① index numbers, ② code numbers, and ③ quantities required.

   For structural accuracy, we supply certain parts already assembled into larger unit components instead of supplying basic members individually.

2. Some of the parts are for use in Hamadastar presses only and some are not. Hamadastar parts are shown in the catalog as follows.

   (Example)

   G01–07–3 — G = Group symbol; 01 = Sub-division; 07 = Parts code; 03 = Type of press (7 = 700 CD, 700DX, 70; 3 = all presses except 900 CDX)

   H01–02–1A–3 — A = Assembly

3. The parts which are not exclusive to Hamadastar presses but used in our all other presses (high speed rotary letterpresses, web offset presses, etc.) are shown as follows.

   (Example)

   101–366 — 101 = Hexagon bolt; 366 = 6mm dia. 16mm long

4. This parts Catalog is designed for use of Satelite 2 color unit Model 70 and has two groups.
   One is the section for those parts which are exclusively used on Satelite 2 color unit . . . . . group (G).
   Another group shows such parts as interchangeable with other components including main press section - - - group (H, M, R, I, B, A, E)

   Exclusive Parts Group

G	Group	Satelite 2 Color Unit

   Interchangeable Parts Groups

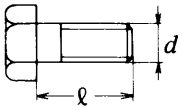
H	Group	Feed Section
M	Group	Press Section
R	Group	Dampening Section
I	Group	Ink Section
B	Group	Covers
A	Group	Delivery Section
E	Group	Electric Section

5. The exploded views contained in the Catalog will help understanding of mechanisms and will be found useful in making simple repair.

6. Subject to change without prior notice.

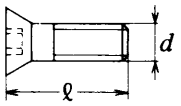
規　格　部　品　リ　ス　ト
STANDARD STOCK PARTS. NO.

六角ボルト
Screw



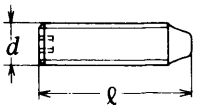
	d X ℓ
101 – 366	M 6 X 16

六角穴付 さらボルト
Screw



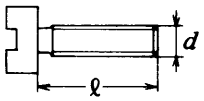
	d X ℓ
122 – 006	M 3 X 6
122 – 058	M 4 X 8
122 – 110	M 5 X 10
122 – 112	M 5 X 12
122 – 115	M 5 X 15
122 – 165	M 6 X 15

ホローセット ネジ
Set Screw



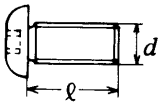
	d X ℓ
145 – 355	M 6 X 5
145 – 358	M 6 X 8
145 – 360	M 6 X 10
145 – 405	M 4 X 5
145 – 505	M 5 X 5
145 – 506	M 5 X 6
145 – 508	M 5 X 8
145 – 510	M 5 X 10

平小ネジ
Screw



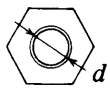
	d X ℓ
111 – 314	M 3 X 14
111 – 383	M 6 X 45
111 – 387	M 6 X 65
111 – 525	M 5 X 25
111 – 533	M 5 X 45

六角穴付 なべ小ネジ
Screw



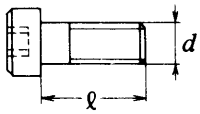
	d X ℓ
125 – 615	M 3 X 15
125 – 656	M 4 X 6
125 – 662	M 4 X 12
125 – 706	M 5 X 6
125 – 708	M 5 X 8
125 – 710	M 5 X 10
125 – 712	M 5 X 12
125 – 715	M 5 X 15
125 – 725	M 5 X 25
125 – 731	M 5 X 35
125 – 756	M 6 X 6
125 – 758	M 6 X 8
125 – 760	M 6 X 10
125 – 765	M 6 X 15

六角ナット
Nut



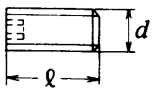
	d
170 – 103	M 3
170 – 104	M 4
170 – 105	M 5
170 – 106	M 6
170 – 108	M 8
170 – 110	M 10
170 – 113	M 10

キャップ ボルト
Screw



	d X ℓ
117 – 370	M 6 X 20
117 – 375	M 6 X 25
117 – 380	M 6 X 30
117 – 381	M 6 X 35
117 – 382	M 6 X 40
117 – 470	M 8 X 20
117 – 480	M 8 X 30
117 – 481	M 8 X 35
117 – 520	M 5 X 20

ホローセット ネジ
Set Screw



	d X ℓ
141 – 370	M 6 X 20

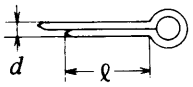
ロックワッシャ
Lock Washer

	d
180 – 103	3 ϕ
180 – 104	4.1 ϕ
180 – 105	5 ϕ
180 – 106	6 ϕ
180 – 108	8 ϕ
180 – 110	10 ϕ

E型ワッシャ
E-Ring

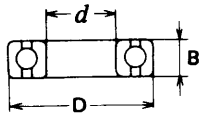
	d
181 – 404	4 φ
181 – 406	6 φ
181 – 410	10 φ
181 – 412	12 φ

割ピン
Cotter Pin



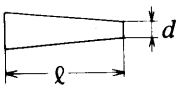
	d X ℓ
183 – 725	0.9 φ X 15
183 – 744	1.4 φ X 12
183 – 747	1.4 φ X 20

ベアリング
Bearing



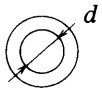
	dX D X ℓ
250 – 126.6	6 X 19 X 6

テーパ ピン
Taper• Pin



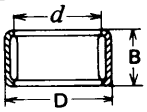
	d X ℓ
182 – 192	5 φ X 45

ワッシャ
Flat Washer



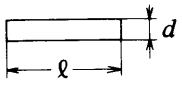
	d
184 – 106	6.4 φ
184 – 108	8.4 φ

ラジアルニードル ベアリング
Needle Bearing



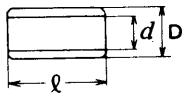
	d X D X B
258 – 232	3/16 X 11/32 X 3/8

スプリングピン
Roll Pin



	d X ℓ
183 – 167	2.5 φ X 14
183 – 182	3 φ X 14
183 – 205	4 φ X 20
183 – 207	4 φ X 25
183 – 208	4 φ X 28
183 – 209	4 φ X 32

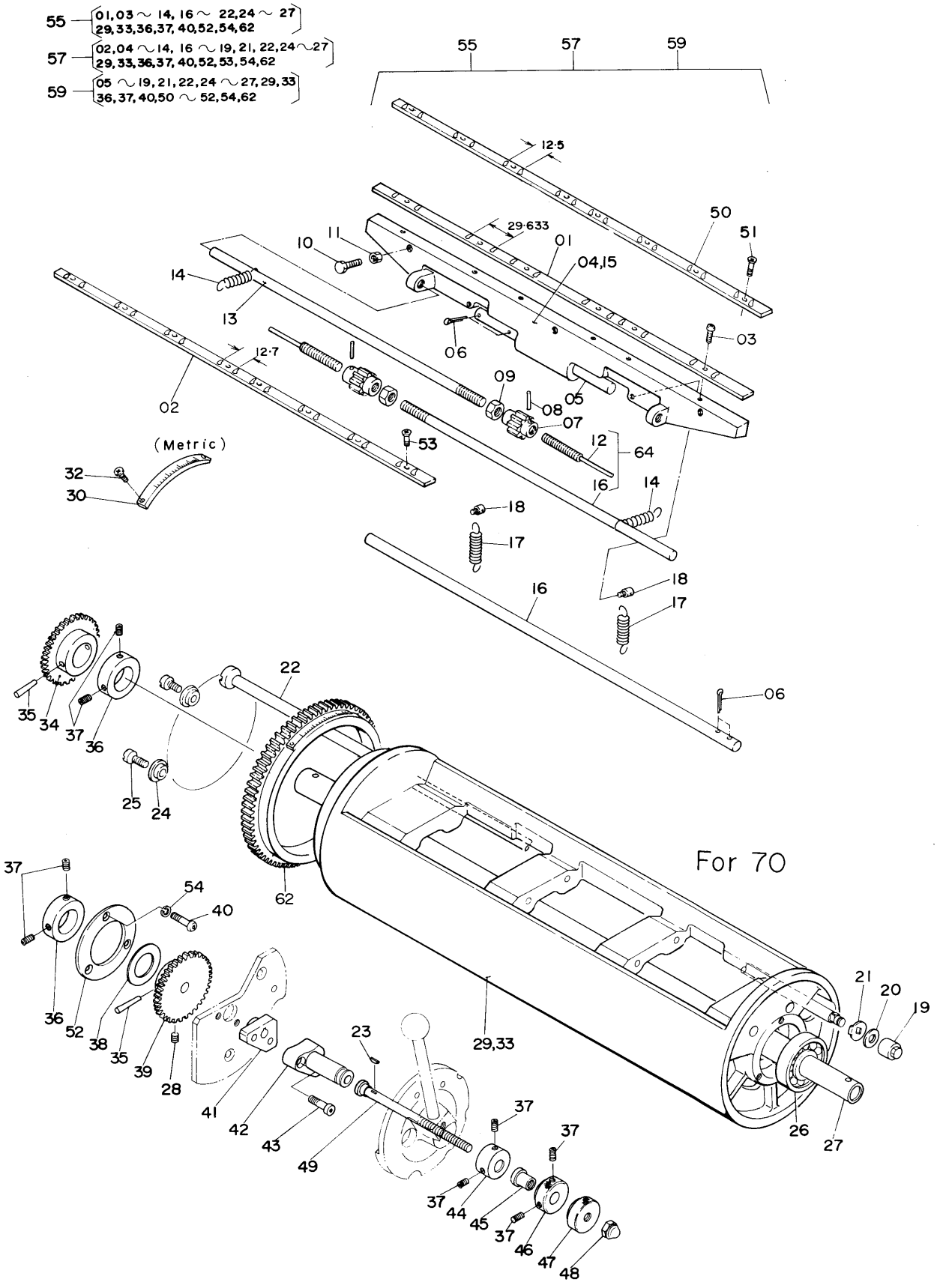
ブッシュ
Bushing



	d X D X ℓ
243 – 600	5 X 7 X 5
243 – 608	8 X 10 X 8
243 – 620	12 X 14 X 20
243 – 633	16 X 18 X 15

Oリング
O-Ring

	d
324 – 622	29.74 φ


55 01,03 ~ 14, 16 ~ 22,24 ~ 27 29,33,36,37,40,52,54,62
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59 05 ~ 19, 21, 22,24 ~ 27,29,33 36,37,40,50 ~ 52,54,62
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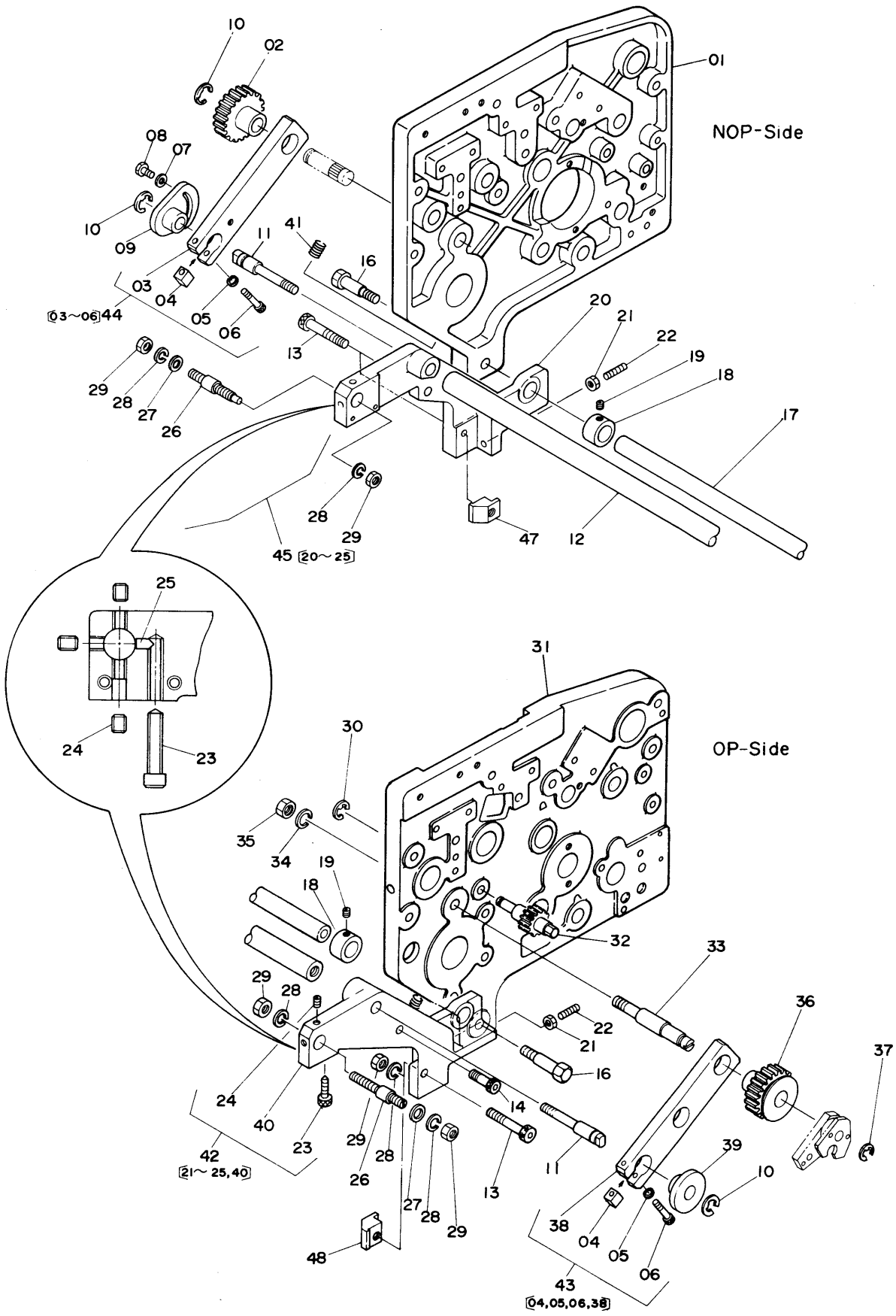
INDEX NO.	Parts No.	Description		Remarks	Units per Assy
01	I04-06-01-7	Slotted Plate Clamp		1A Type	2
02	I04-06-03-7	Pin Bar Plate Clamp		1B Type	2
03	122-110	Screw			12
04	I25-11-1A-7	Plate Clamp Bracket		1A, 1B Type	2
05	M03-15-7	Clamp Bracket Shaft			2
06	183-747	Cotter Pin			4
07	I04-11-3	Centering Adjustment Knob			2
08	183-167	Roll Pin			2
09	170-108	Nut			2
10	I04-13-3	Bolt			6
11	170-106	Nut			6
12	I04-10-7	Short Centering Adjustment Shaft			2
13	I04-08-7	Long Centering Adjustment Shaft			2
14	I04-28-3	Tension Spring			2
15	I09-04-1A-7	Plaet Clamp Bracket		4C Type	2
16	I04-17-7	Pilot Shaft			1
17	I04-19-3	Plate Clamp Bracket Spring			2
18	I04-05-3	Spring Pin			2
19	I04-26-3	Release Nut			1
20	184-108	Flat Washer			1
21	I04-27-3	Shaft Key			1
22	I04-24-7	Cylinder Gear Lock Shaft			1
23	I11-09-3	Key			1
24	I05-03-3	Flanged Washer			2
25	M02-05-3	Screw			2
26	M02-02-3	Plate Cylinder Ball Bearing			2
27	G02-01-01-7	Plate Cylinder Shaft			1
28	145-358	Set Screw			1
29	G12-01-7	Plate Cylinder		1A, 1B Type	1
30	I05-59-01-3	Plate Cylinder Scale	Included in 62	Metric	1
31					
32	122-006	Screw	Included in 62, 63		2
33	G14-01-7	Plate Cylinder		4C Type	1
34	G02-03-01-3	Gear			1
35	182-192	Taper Pin			2
36	G02-05-01-3	Collar			2
37	145-358	Set Screw			8
38	G02-15-3	Spacer			1
39	G02-02-01-3	Gear			1
40	125-712	Screw			3
41	G03-46-3	Pivot Bracket Spacer			1
42	G03-03-3	Pivot Bracket			1
43	117-375	Screw			2
44	G03-09-3	Collar			1
45	G03-10-3	Adjustment Frange			1
46	G03-11-3	Adjustment Knob			1
47	G03-12-3	Adjustment Knob			1
48	G03-13-3	Cup Nut			1
49	G03-08-3	Plate Cylinder Adjustment Shaft			1
50	I09-06-7	Pin Bar Plate Clamp		4C Type	4
51	122-058	Screw			16
52	G02-06-01-3	Bearing Retainer			1
53 S	I16-20-3	Screw			8
54	180-105	Lock Washer			3
55	G12-01-1A-7	Plate Cyl. Assy		1A Metric	1
56					
57	G12-01-1B-7	Plate Cyl. Assy		1B Metric	1
58					
59	G14-01-1A-7	Plate Cyl. Assy		4C Metric	1
60					
61					
62	G02-10-1A-3	Plate Cyl. Gear Assy		Metric	1
63					
64	I04-10-1A-7	Short Centering Adjustment Shaft			2


NOP-Side
OP-Side
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42 [21~25,40]
43 [04,05,06,38]
44 [03~06]
45 [20~25]
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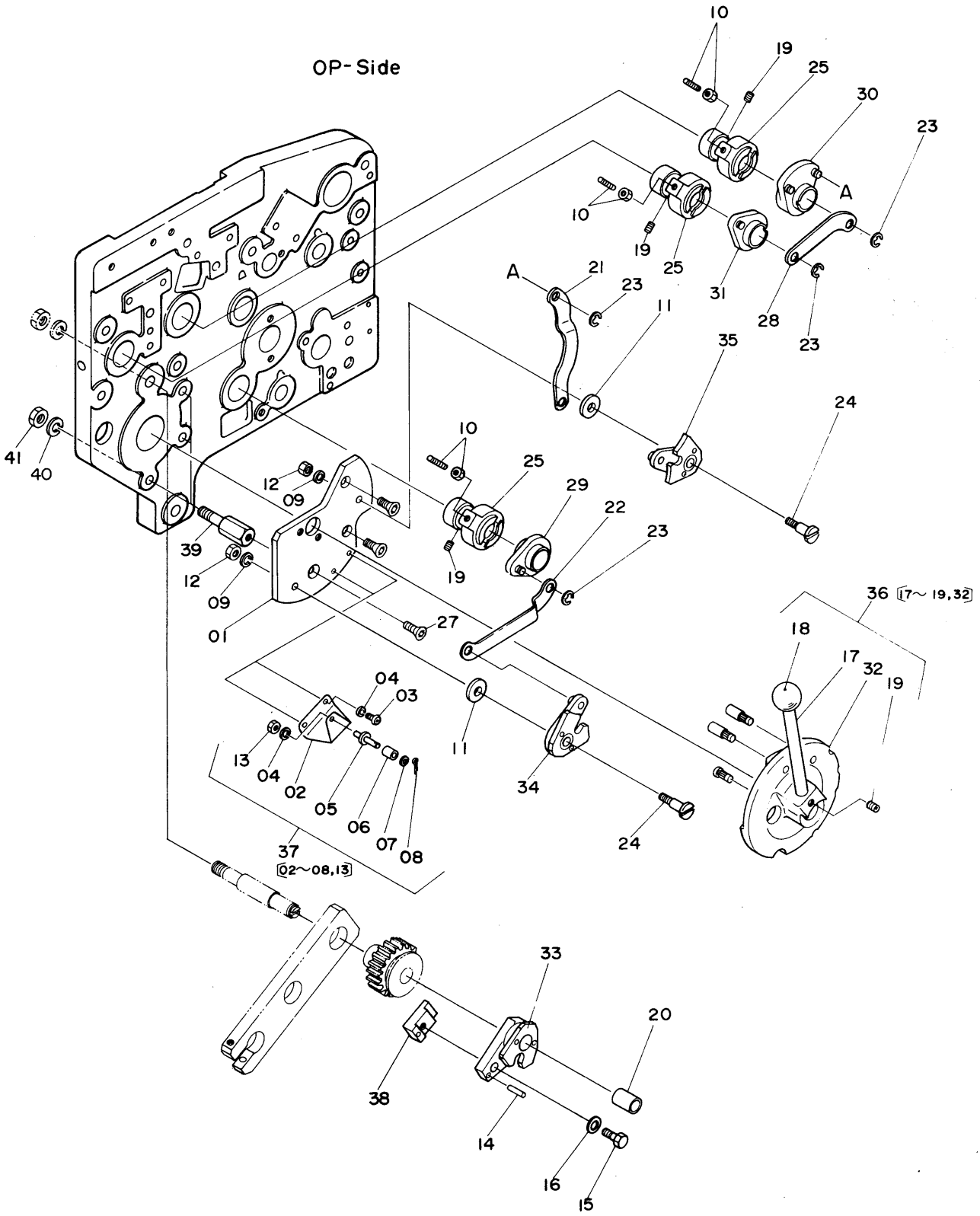
Side Frame and Connecting Bracket

INDEX NO.	Parts No.	Description	Remarks	Units per Assy
01	G21-02-1A-3	Second Color Side Frame	NOPS	1
02	G03-31-3	Gear		1
03	G03-39-3	Tie Bar	NOPS	1
04	G03-40-3	Tie Bar Bracket		2
05	180-106	Lock Washer		2
06	117-382	Screw		2
07	184-106	Flat Washer		1
08	101-366	Bolt		1
09	G03-41-3	Adjustment Sector	NOPS	1
10	181-412	E-Ring		2
11	G01-13-3	Spreader Screw		2
12	G01-10-7	Spreader		1
13	117-481	Screw		3
14	117-470	Screw		2
15				
16	G01-07-3	Screw		2
17	G01-04-7	Spreader		1
18	M05-37-3	Collar		2
19	145-505	Set Screw		2
20	G01-09-3	Connecting Bracket	NOPS	1
21	170-106	Nut		2
22	145-370	Set Screw		2
23	G01-19-3	Screw		2
24	145-360	Set Screw		6
25	G01-17-3	Set Pin		2
26	G01-18-3	Stud		2
27	184-108	Flat Washer		2
28	180-108	Lock Washer		6
29	170-108	Nut		6
30	181-406	E-Ring		1
31	G21-01-1A-3	Second Color side Frame	OPS	1
32	G03-33-3	Adjustment Gear		1
33	G03-37-3	Gear Stud		1
34	180-110	Lock Washer		1
35	170-110	Nut		1
36	G03-32-3	Gear		1
37	181-410	E-Ring		1
38	G03-38-3	Tie Bar	OPS	1
39	G03-42-3	Spring Frange	OPS	1
40	G01-08-01-3	Connecting Bracket	OPS	1
41	M01-23-3	Spring		2
42	G01-08-1A-3	Connecting Bracket Assy	OPS	1
43	G03-38-1A-3	Tie Bar with Bracket	OPS	1
44	G03-39-1A-3	Tie Bar with Bracket	NOPS	1
45	G01-09-1A-3	Connecting Bracket Assy	NOPS	1
46				
47	G01-14-3	Nut	NOPS	1
48	G01-16-3	Nut	OPS	1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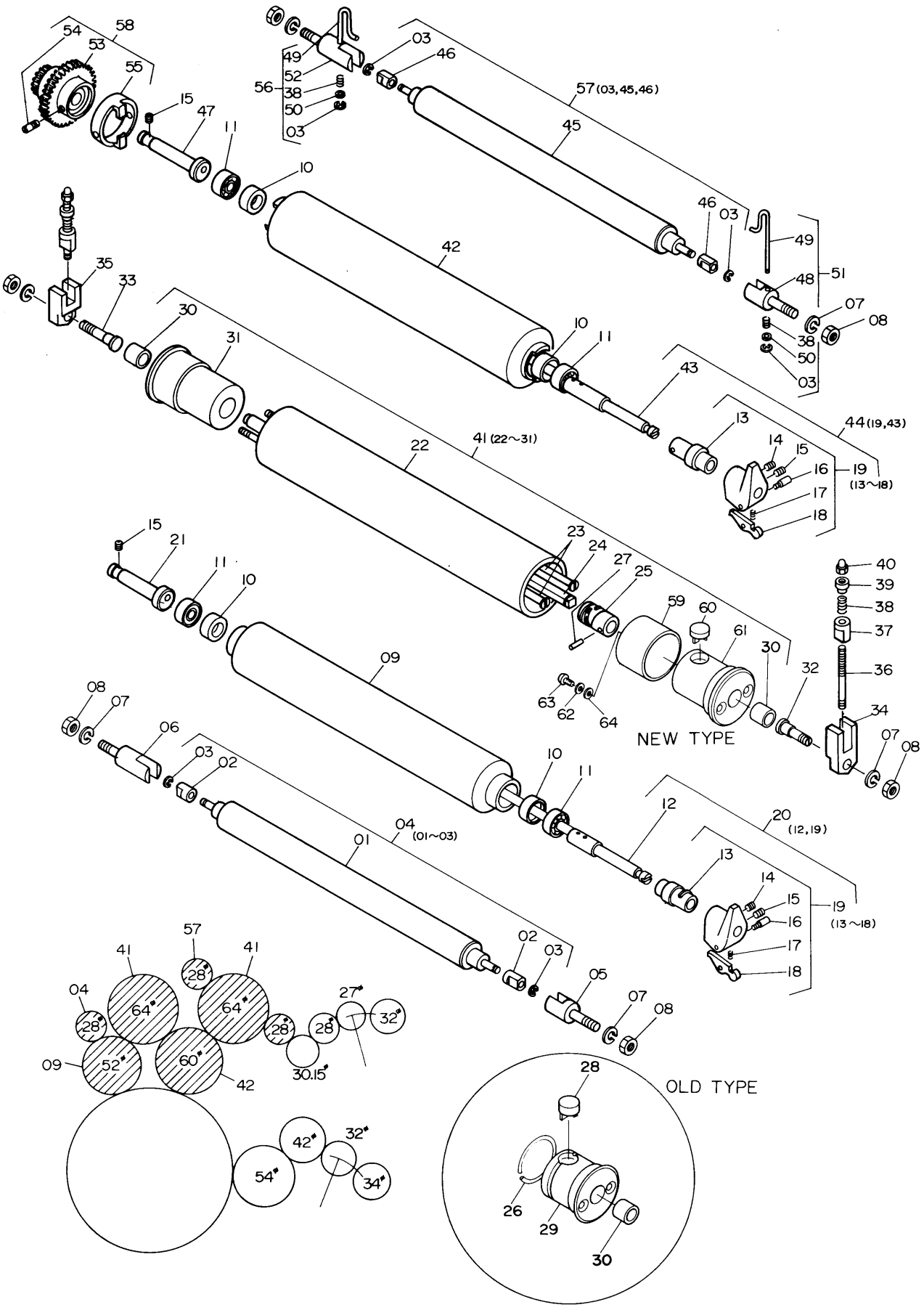
Single Lever and Form Roller Bracket

INDEX NO.	Parts No.	Description	Remarks	Units per Assy
01	G03-01-01-3	Single Lever Control Plate		1
02	G03-27-3	Snubber Bracket		1
03	125-656	Screw		2
04	180-104	Lock Washer		3
05	I18-70-3	Snubber Stud		1
06	258-232	Snubber Roll Brg.		1
07 S	A52-47-3	Flat Washer		1
08	183-744	Cotter Pin		1
09	180-106	Lock Washer		2
10	I18-59-1A-3	Snubber Assy		3
11	A19-38-3	Spacer		2
12	170-106	Nut		2
13	170-104	Nut		1
14	183-182	Roll Pin		1
15	G03-26-3	Gear Lock Bolt		1
16	G06-62-3	Spacer		1
17	I18-05-1A-3	Single Lever Control Handle		1
18	H16-09-3	Single Lever Control Handle Knob Included in 17		1
19	145-358	Set Screw		4
20	243-620	Bushing (I03-63-3) Included in 33		1
21	G03-20-3	Form Roll Drive Link		1
22	G03-21-3	Dampening Drive Link		1
23	181-406	E-Ring		4
24	G03-19-3	Shoulder Screw		2
25	G04-07-3	Form Roller Bracket		3
26				
27	122-165	Screw		3
28	G03-34-3	Ink Form Roller Drive Link		1
29	G04-18-1A-3	Dampening Form Roller Bracket with Pin		1
30	G06-18-1A-3	Form Roller Drive Bracket with Pin		1
31	G06-17-1A-3	Form Roller Drive Lever with Pin		1
32	G03-06-1D-3	Hub with Pin		1
33	G03-22-1D-3	Print Control Drive Dog		1
34	G03-15-1B-3	Dampening Drive Dog		1
35	G03-16-1B-3	Inking Drive Dog		1
36	G03-06-1C-3	Single Lever Control Hub Assy (17~19, 32)		1
37	G03-27-1A-3	Snubber Bracket Assy		1
38	G03-25-01-3	Gear Lock Nut		1
39	G03-02-3	Stud		3
40	180-108	Lock Washer		3
41	170-108	Nut		3


NEW TYPE
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INDEX NO.	Parts No.	Description		Remarks	Units per Assy
01	G07-74-7	Idle Roller			1
02	I03-46-3	Idle Roller Bushing			2
03	181-404	E-Ring			6
04	G07-74-1A-7	Idle Roller Assy		Rubber	1
05	G27-75-3	Idle Roller Support Pin		OPS	1
06	G27-76-3	Idle Roller Support Pin		NOPS	1
07	180-108	Lock Washer			10
08	170-108	Nut			10
09	I03-47-1A-7	2nd Form Roller			1
10	I03-49-3	Form Roller Hub	Included in 09, 42		4
11	I03-48-3	Bearing	Included in 09, 42		4
12	G06-06-1A-7	2nd Form Roller Shaft			1
13	I18-51-3	Form Roller Hub			2
14	145-355	Set Screw	Included in 19		2
15	145-358	Set Screw	Included in 19		2
16	I18-55-3	Snubber Pin	Included in 19		2
17	I18-56-3	Spring	Included in 19		2
18	I18-54-3	Snubber	Included in 19		2
19	I18-46-1B-3	Form Roller Handle			2
20	G06-06-1B-7	Form Roller Shaft with Handle Assy			1
21	G06-08-3	2nd Form Roller Stud Eccentric			1
22	G06-25-01-7	Oscillation Roller			2
23	G06-34-7	Oscillation Roller Tie Rod			4
24	G06-29-01-7	Oscillation Roller Shaft			2
25	I03-57-3	Worm Cam			2
26	I03-54-3	Retaining Ring			2
27	I03-58-3	Roll Pin			2
28	I03-59-3	Oscillation Worm Cam Follower			2
29	G06-27-1A-3	Oscillation Mechanism Hub			2
30	H08-16-3	Bushing	Included in 29, 31		4
31	G06-26-1A-3	Oscillation Mechanism Hub			2
32	G26-81-3	Shoulder Screw		OPS	2
33	G26-82-3	Shoulder Screw		NOPS	2
34	G26-79-3	Oscillation Roller Shaft Bracket		OPS	2
35	G26-80-3	Oscillation Roller Shaft Bracket		NOPS	2
36	G06-39-3	Adjustment Screw			4
37	G26-83-3	Oscillation Roller Stopper			4
38	A03-77-3	Spring			6
39	G06-42-3	Adjustment Nut			4
40	G06-40-3	Cap Nut			4
41	G06-25-1C-7	Oscillation Roller Assy			2
42	G06-01-1A-7	1st Form Roller			1
43	G06-68-1A-7	1st Form Roller Shaft			1
44	G06-68-1B-7	Form Roller Shaft with Handle Assy			1
45	G07-73-7	Idle Roller			1
46	G27-83-3	Idle Roller Bushing			2
47	G06-07-3	1st Form Roller Stud Eccentric			1
48	G27-81-3	Idle Roller Support Pin		OPS	1
49	G07-69-01-3	Idle Roller Stop Lever			2
50	184-105	Flat Washer			2
51	G27-81-1A-3	Idle Roller Support Pin Assy			1
52	G27-82-3	Idle Roller Support Pin		NOPS	1
53	G06-09-1A-3	1st Form Roller Drive Gear			1
54	R02-38-3	Set Screw			2
55	G06-65-3	Form Roller Drive Collar			1
56	G27-82-1A-3	Idle Roller Support Pin Assy			1
57	G07-73-1B-7	Idle Roller Assy			1
58	G06-09-1B-3	Form Roller Drive Gear Assy			1
59	G26-85-3	Collar		(HSC-5595 ~)	2
60	G26-86-3	Oscillation Worm Cam Follower		(HSC-5595 ~)	2
61	G26-84-1A-3	Oscillation Mechanism Hub		(HSC-5595 ~)	2
62	180-105	Lock Washer		(HSC-5595 ~)	2
63	125-708	Screw		(HSC-5595 ~)	2
64	184-105	Flat Washer		(HSC-5595 ~)	2
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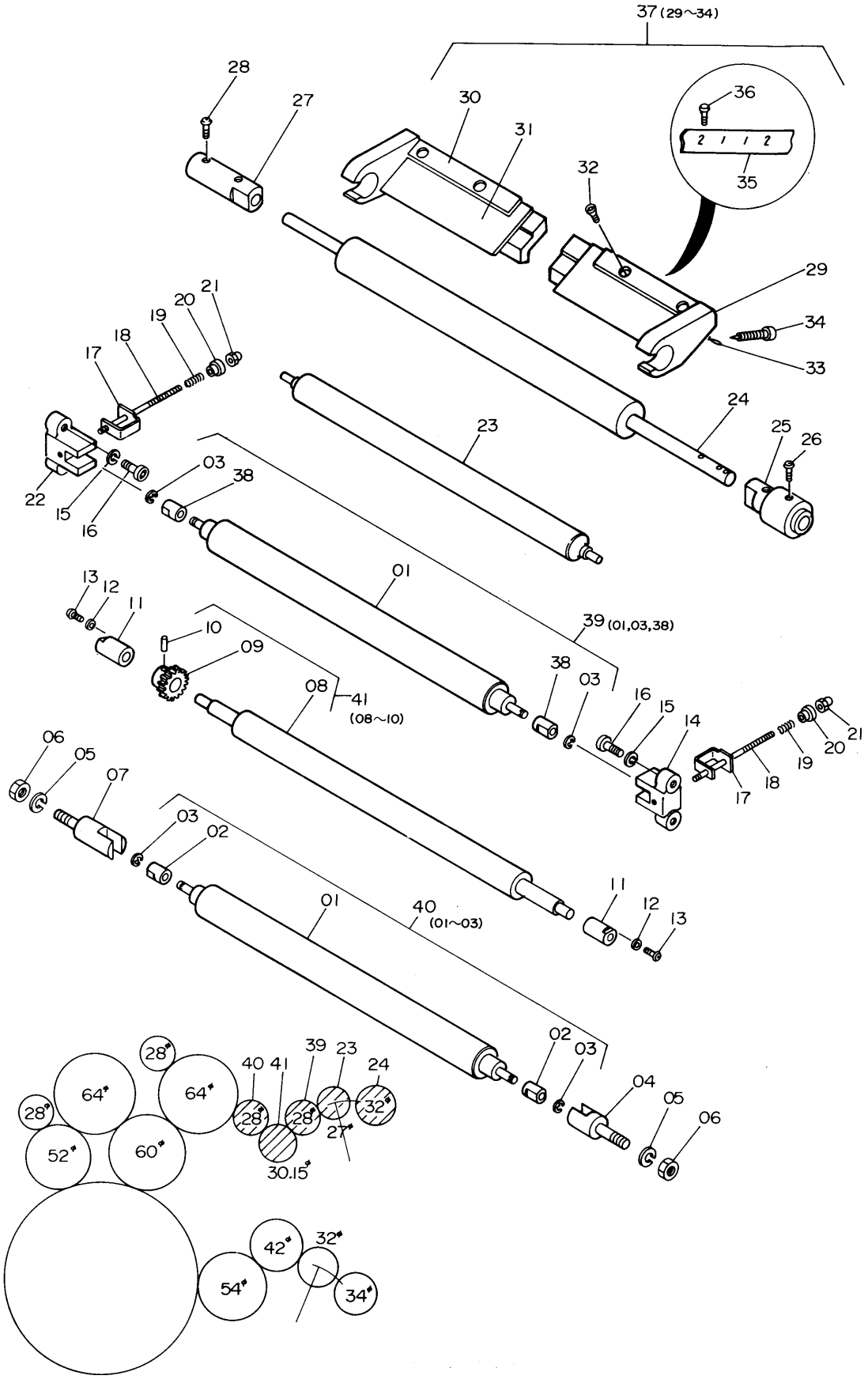
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INDEX NO.	Parts No.	Description	Remarks	Units per Assy
01	G07-73-7	Idle Roller		2
02	I24-68-01-3	Idle Roller Bushing		2
03	181-404	E-Ring		4
04	G27-75-3	Idle Roller Support Pin	OPS	1
05	180-108	Lock Washer		2
06	170-108	Nut		2
07	G27-76-3	Idle Roller Support Pin	NOPS	1
08	G07-53-01-7	Idle Roller		1
09	G07-55-1	Idle Roller Drive Gear		1
10	183-207	Roll Pin		1
11	I03-04-3	Idle Roller Bushing		2
12	184-106	Flat Washer		2
13	125-756	Screw		2
14	G27-77-3	Idle Roller Bracket	OPS	1
15	180-106	Lock Washer		4
16	117-370	Screw		4
17	G27-79-3	Idle Roller Stopper		2
18	G27-84-3	Adjustment Screw		2
19	A03-77-3	Spring		2
20 S	G26-83-3	Adjustment Nut		2
21	G06-40-3	Cap Nut		2
22	G27-78-3	Idle Roller Bracket	NOPS	1
23	I03-43-7	Ink Ductor Roller		1
24	G07-07-7	Ink Fountain Roller		1
25	G07-08-3	Fountain Roller Bushing	OPS	1
26	125-715	Screw		1
27	G07-09-3	Fountain Roller Bushing	NOPS	1
28	125-710	Screw		1
29	I02-01-0A-7	Ink Fountain		1
30	I02-02-7	Ink Fountain Blade Clamp		1
31	I02-04-7	Ink Fountain Blade		1
32	122-112	Screw		8
33	I02-06-7	Wire		1
34	I02-05-3	Thumb Screw		24
35	I02-55-7	Ink Fountain Scale Included in 29		1
36	H11-50-3	Screw Included in 29		3
37	I02-01-1B-7	Fountain Assy		1
38	I03-46-3	Idle Roller Bushing		2
39	G07-73-1A-7	Idle Roller Assy		1
40	G07-73-1C-7	Idle Roller Assy		1
41	G07-53-1B-7	Idle Roller with Gear		1
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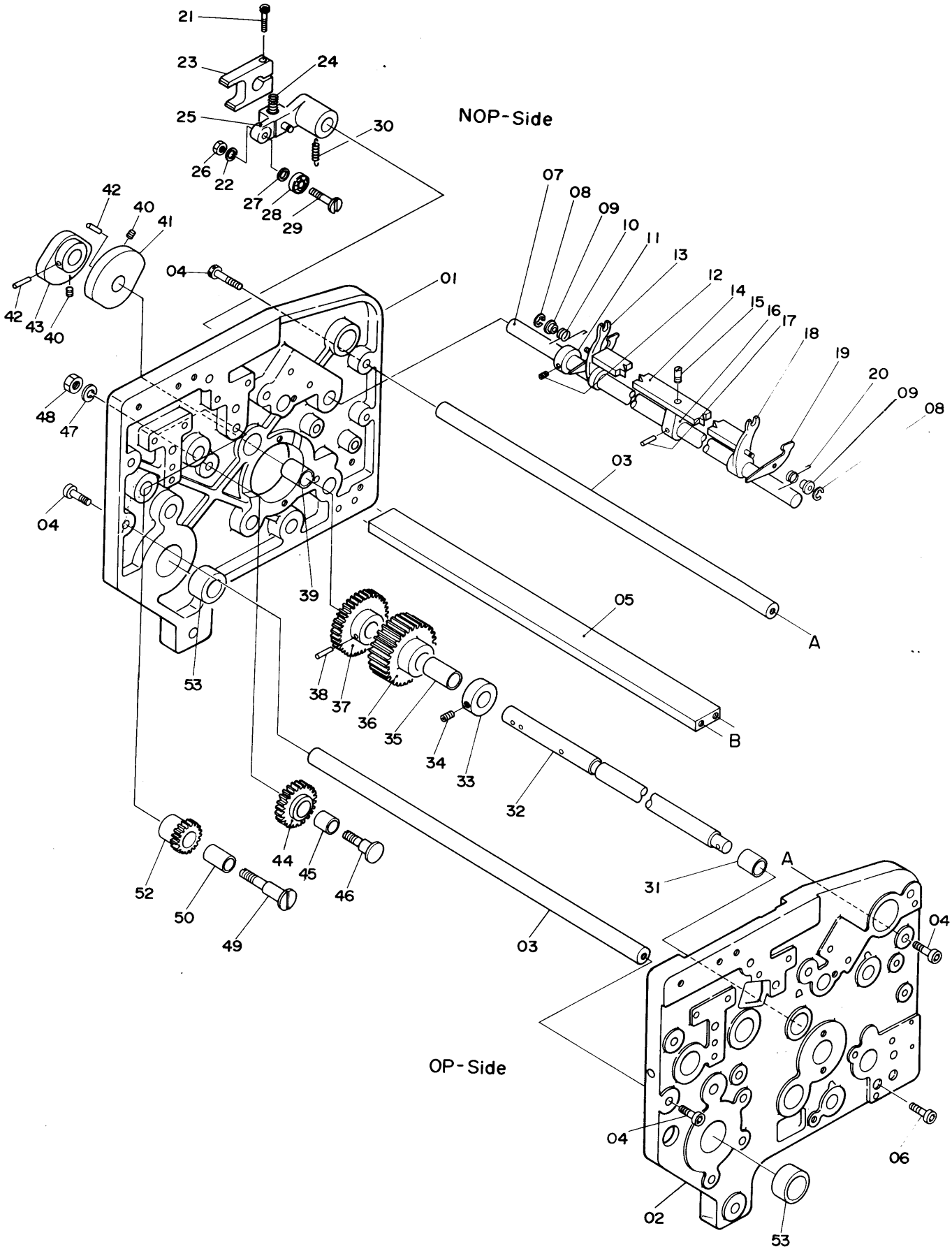
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INDEX NO.	Parts No.	Description		Remarks	Units per Assy
01	G21-02-1A-3	Second Color Side Frame		NOPS	1
02	G21-01-1A-3	Second Color Side Frame		OPS	1
03	G01-03-7	Second Color Side Panel Spreader			2
04	117-480	Screw			4
05	G01-22-01-7	Fountain Tray Bracket			1
06	117-375	Screw			4
07	G07-41-7	Ductor Frame Shaft			1
08	181-404	E-Ring			2
09	I01-43-3	Spring Hub			2
10	I01-33-3	Ductor Roller Latch Spring		NOPS	1
11	I21-11-3	Collar			1
12	145-508	Set Screw			1
13	G05-48-01-3	Ductor Roller Bracket		NOPS	1
14	I01-27-7	Ductor Bracket Spreader			1
15	R11-35-3	Stud			1
16	I21-24-3	Spreader Bracket			1
17	183-207	Roll Pin			1
18	G05-47-01-3	Ductor Roller Bracket		OPS	1
19	R11-32-3	Ductor Roller Latch			2
20	I01-32-3	Ductor Roller Latch Spring		OPS	1
21	117-381	Screw			1
22	180-106	Lock Washer			2
23	G05-78-01-3	Ductor Adjustment Block			1
24	G07-62-3	Spring			1
25	G27-80-0A-3	Ductor Operating Lever			1
26	170-106	Nut			1
27	184-106	Flat Washer			1
28	250-126.6	Cam Follower	(Ball Bearing #626zz)		1
29	M05-50-3	Cam Follower Pin			1
30	G07-52-3	Spring			1
31	G06-51-3	Bushing for Cam Shaft	Included in 02	OPS	1
32	G06-50-7	Cam Shaft			1
33	M05-37-3	Collar			1
34	145-505	Set Screw			1
35	243-633	Idle Gear Bushing	Included in 36		2
36	G06-53-1A-3	Idle Gear			1
37	G06-55-3	Cam Shaft Drive Gear			1
38	183-208	Roll Pin			1
39	H01-08-3	Bushing for Cam Shaft	Included in 01	NOPS	1
40	145-358	Set Screw			2
41	G06-59-3	Cam for Ink Ductor Roller			1
42	183-209	Roll Pin			2
43	G06-58-3	Cam for Dampening Ductor Roller			1
44	G06-43-1A-1	Idle Gear			1
45	243-619	Idle Gear Bushing	Included in 44		1
46	G06-45-1	Idle Gear Stud Pin			1
47	180-108	Lock Washer			2
48	170-108	Nut			2
49	G06-49-02-3	Idle Gear Stud Pin			1
50	G06-48-01-3	Idle Gear Bushing	Included in 52		1
51					1
52	G06-47-1A-3	Intermediate Drive Gear			1
53	G02-07-1	Plate Cylinder Shaft Bushing	Included in 01, 02		2

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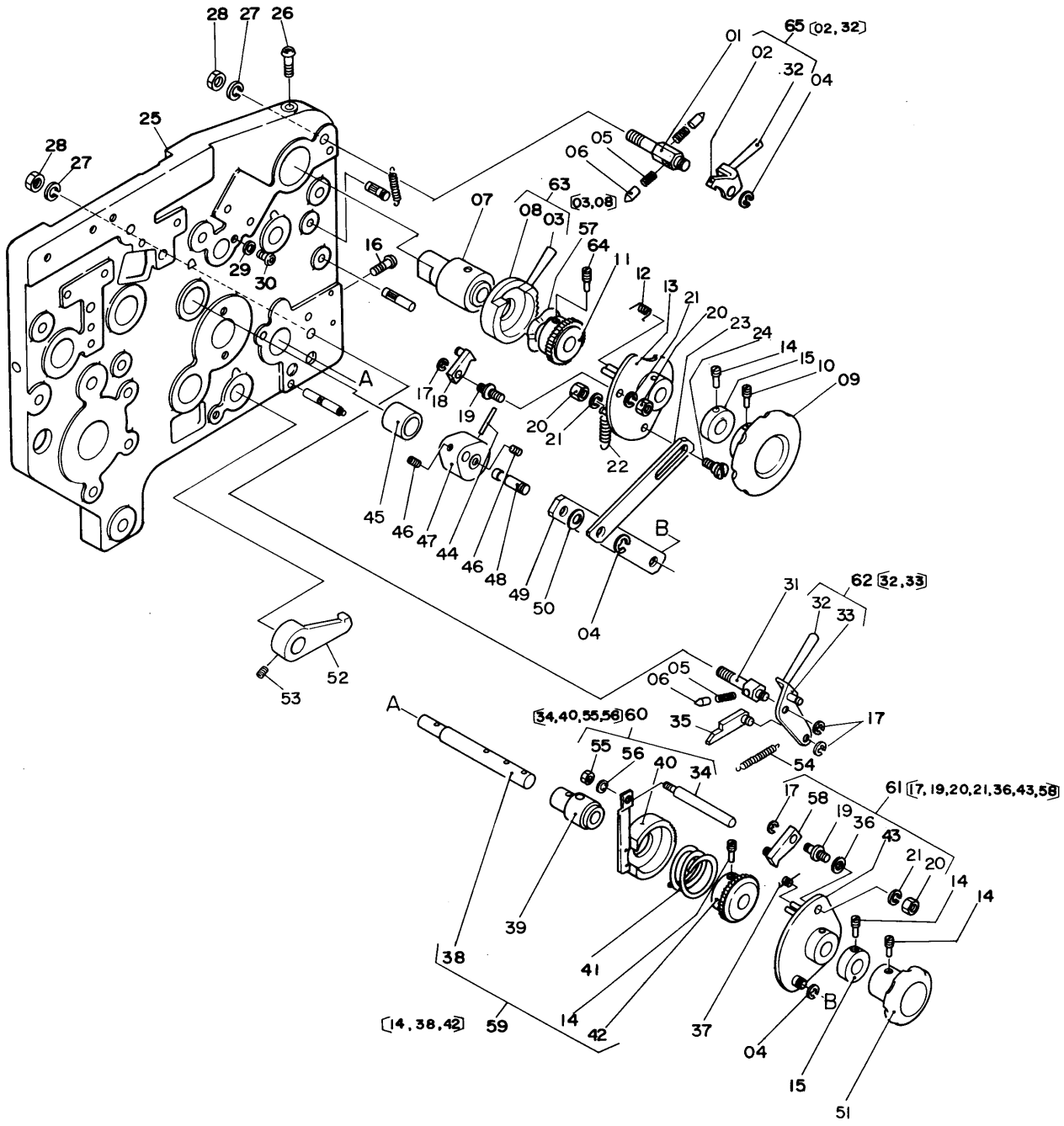
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Inking and Dampening Flow Control

INDEX NO.	Parts No.	Description		Remarks	Units per Assy
01	G07-29-3	Snubber Stud W.			1
02	G07-27-1A-3	Latch			1
03	I24-41-01-3	On-Off Control Handle for Ink			1
04	181-406	E-Ring			3
05	I02-30-3	Snubber Spring			2
06	I02-29-3	Snubber			2
07	G07-08-3	Ink Fountain Roller Bushing			1
08	G07-14-3	Ratchet Control Hub			1
09	I02-28-3	Ink Fountain Roller Knob			1
10	M04-37-3	Pilot Screw			1
11	G07-15-3	Ink Fountain Ratchet Wheel			1
12	G07-20-3	Drive Pawl Spring			1
13	G07-16-1A-3	Drive Pawl Plate			1
14	M04-37-3	Pilot Screw			4
15	I02-26-3	Collar			2
16	125-731	Screw			1
17	181-404	E-Ring			1
18	G07-18-1A-3	Ink Fountain Roller Drive Pawl			1
19	I02-19-3	Drive Pawl Stud			1
20	170-106	Nut			3
21	180-106	Lock Washer			3
22	I04-30-3	Spring			1
23	G26-78-3	Ink Fountain Roller Drive Link			1
24	R02-27-3	Shoulder Screw			1
25	G21-01-1A-3	Second Color Side Frame		OPS	1
26	125-715	Screw			1
27	180-108	Lock Washer			2
28	170-108	Nut			2
29	184-106	Flat Washer			1
30	125-706	Screw			1
31	G05-27-3	Snubber Stud			1
32	X13-27-01-3	On-Off Control Handle for Damping			2
33	G05-28-1A-3	On-Off Control Lever			1
34	A02-31-01-3	Ratchet Control Handle			1
35	G05-33-1A-3	Dampening On-Off Control Wedge			1
36 S	M25-03-3	Spacer			1
37	I02-25-3	Drive Pawl Spring			1
38	G05-06-3	Damping Fountain Roller Shaft			1
39	G05-05-3	Damping Fountain Roller Bushing			1
40	G05-09-1A-3	Ratchet Control Hub			1
41	R02-11-3	Spring			1
42	G05-12-3	Ratchet Wheel			1
43	G05-18-1A-3	Drive Pawl Plate			1
44	183-209	Roll Pin			1
45	G06-51-3	Cam Shaft Bushing	Included in 25	OPS	1
46	145-510	Set Screw			2
47	G06-59-3	Cam Shaft Crank			1
48	G06-60-3	Crank Pin			1
49	G06-63-1A-3	Dampening Fountain Roller Drive Link			1
50	G06-62-3	Spacer			2
51	G05-16-3	Dampening Fountain Roller Knob			1
52	G05-36-01-3	Stopper Arm			1
53	145-358	Set Screw			1
54	G05-32-3	Spring			1
55	170-105	Nut			1
56	180-105	Lock Washer			1
57	I02-56-3	Spacing Washer			1
58	I02-23-1A-3	Dampening Fountain Roller Drive Pawl			1
59	G05-06-1A-3	Fountain Shaft with Ratchet Wheel	(14, 38, 42)		1
60	G05-09-1B-3	Ratchet Control Hub with Handle	(34, 40, 55, 56)		1
61	G05-18-1B-3	Drive Pawl Plate Assy for Dampening Fountain Roller	(17, 19~21, 36, 43, 58)		1
62	G05-28-1C-3	Dampening Control Handle Assy	(32, 33)		1
63	G07-14-1C-3	Ratchet Control Hub with Handle	(03, 08)		1
64	I22-66-3	Pilot Screw			1
65	G07-27-1B-3	Latch with Handle (Ink)	(02, 32)		1
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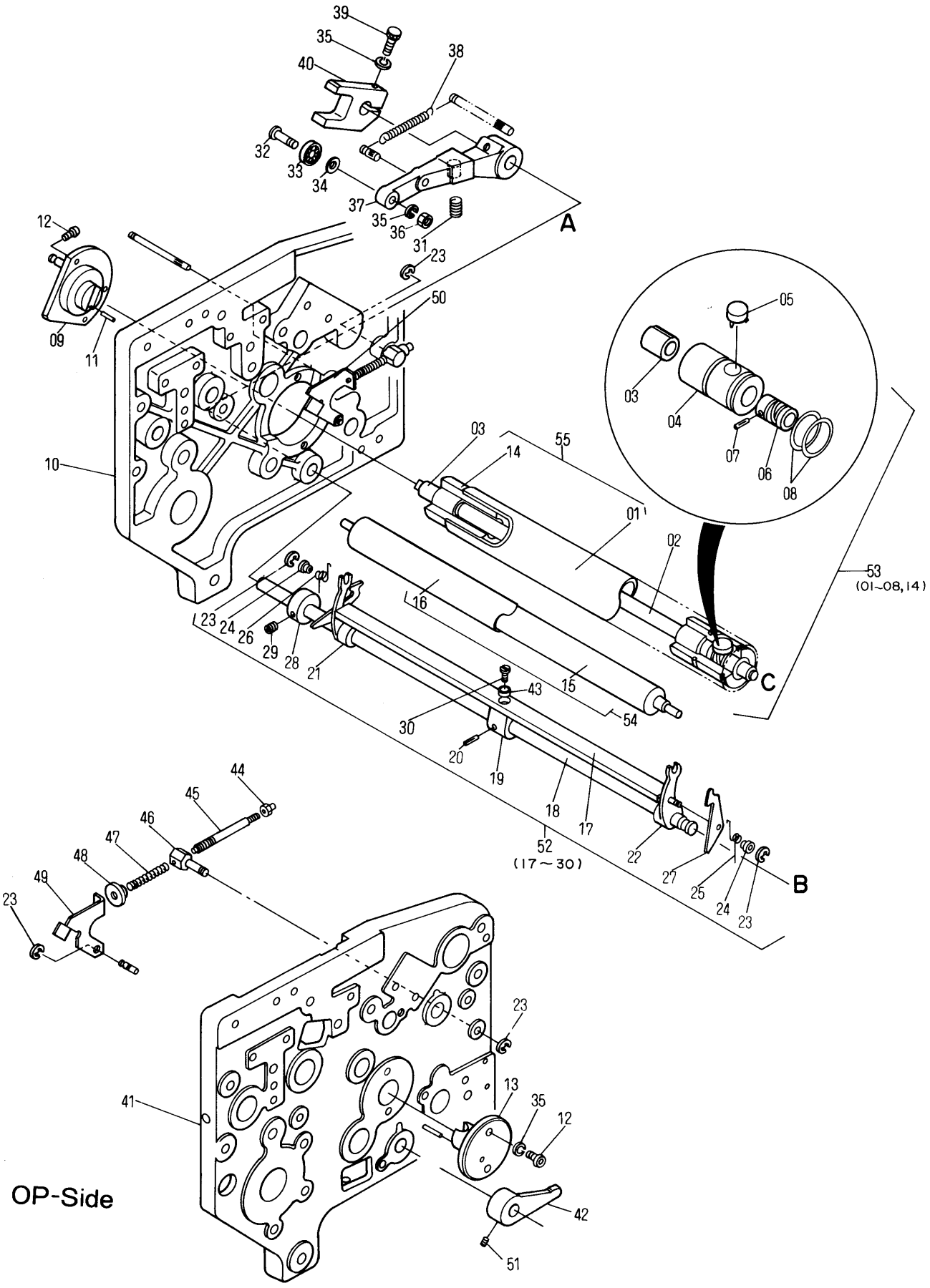
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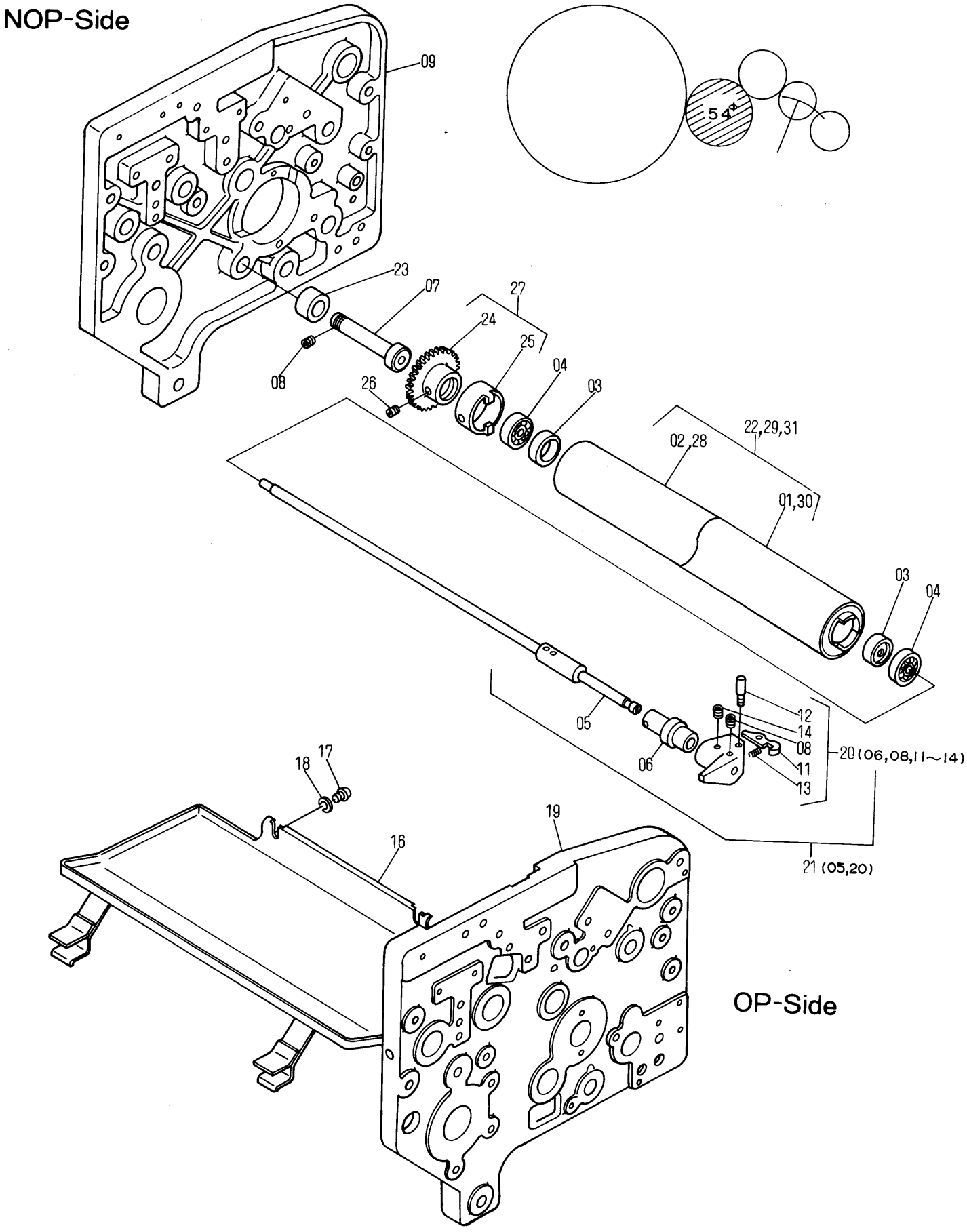
Dampening Section
Ductor Roller and Oscillation Roller

INDEX NO.	Parts No.	Description	Remarks	Units per Assy
01	G04-21-7	Dampening Oscillation Roller Shell		1
02	G04-20-01-7	Dampening Oscillation Roller Shaft		1
03	H08-16-3	Dampening Oscillation Roller Bushing		2
04	G04-23-01-3	Housing for Dampening Oscillating Mechanism		1
05	R03-10-3	Worm Cam Follower		1
06	I03-57-3	Worm Cam		1
07	I03-58-3	Roll Pin		1
08	324-622	O-Ring (R03-08-3)		2
09	G24-45-3	Dampening Distributor Roller Bracket		1
10	G21-02-1A-3	Second Color Frame	NOPS	1
11	183-205	Roll Pin		1
12	125-765	Screw		4
13	G24-44-3	Dampening Distributor Roller Bracket	OPS	1
14	G24-39-3	Oscillation Roller Bushing		1
15	R13-14-7	Dampening Ductor Roller		1
16	R03-16-7	Dampening Ductor Roller Cover		1
17	R11-24-0A-7	Dampening Ductor Frame Spreader		1
18	G05-49-7	Ductor Frame Shaft		1
19	I21-24-3	Pivot Bracket		1
20	183-207	Roll Pin		1
21	G05-48-01-3	Dampening Ductor Roller Bracket	NOPS	1
22	G05-47-01-3	Dampening Ductor Roller Bracket	OPS	1
23	181-404	E-Ring		6
24	R11-29-3	Spring Hub		2
25	I01-32-3	Latch Spring	OPS	1
26	I01-33-3	Latch Spring	NOPS	1
27	R11-32-3	Ductor Roller Latch		2
28	G07-43-3	Collar		1
29	145-506	Set Screw		1
30	R11-35-01-3	Pivot Pin		1
31	I21-16-3	Spring		1
32	M05-50-3	Cam Follower Pin		1
33	250-126-6	Cam Follower		1
34	184-106	Flat Washer		1
35	180-106	Lock Washer		2
36	170-106	Nut		1
37	G05-52-1A-3	Ductor Operating Arm		1
38	G05-58-3	Tension Spring		1
39	117-380	Screw		1
40	G05-78-01-3	Operating Lever		1
41	G21-01-1A-3	Second Color Frame		1
42	G05-36-01-3	Stopper Arm		1
43	243-608	Bushing Included in 17		1
44	R01-16-3	Cap Nut	OPS	2
45	G24-40-3	Stud		2
46	G24-41-3	Pin		2
47	G04-32-3	Spring		2
48	H10-43-01-3	Adjustment Flange		2
49	G24-42-3	Distributor Roller Latch	OPS	1
50	G24-43-3	Distributor Roller Latch	NOPS	1
51	145-358	Set Screw		1
52	G05-49-1A-7	Dampening Ductor Roller Frame Assy		1
53	G04-21-1B-7	Oscillator Roller Assy (01 ~ 08, 14)	OPS	1
54	R13-14-0A-7	Dampening Ductor Roller with Cover	OPS	1
55	G04-21-0B-7	Dampening Oscillation Roller Shell with Gear		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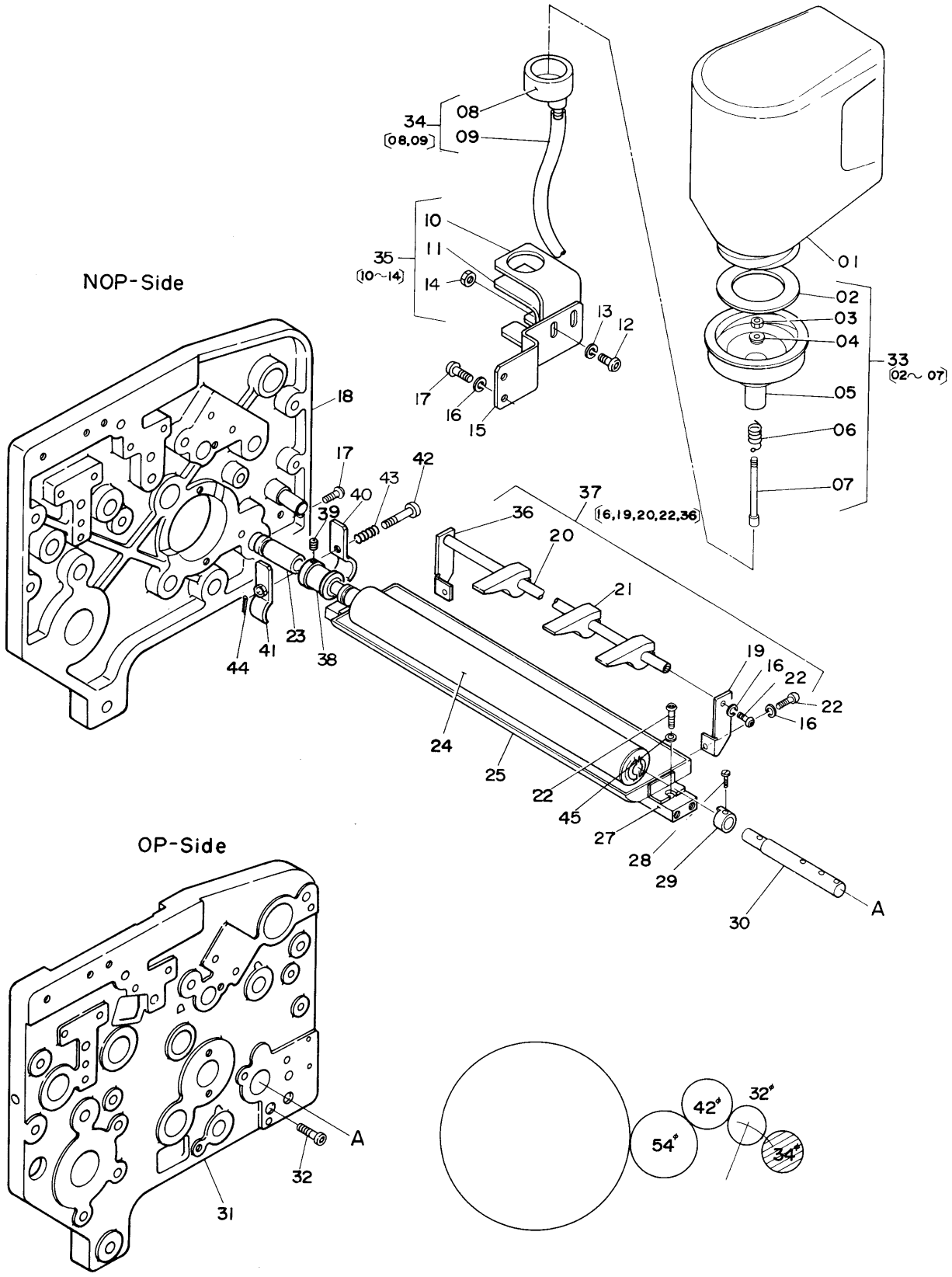
INDEX NO.	Parts No.	Description		Remarks	Units per Assy
01	R03-01-1B-7	Dampening Form Roller			1
02	R03-02-01-7	Dampening Form Roller Cover	Included in 01		1
03	I03-49-3	Insert Collar for Form Roller	Included in 01		2
04	I03-48-3	Ball Bearing for Form Roller			2
05	G04-06-1A-7	Dampening Form Roller Shaft			1
06	I18-51-3	Hub for Form Roller Handle			1
07	G04-05-01-3	Eccentric Bushing for Form Roller Shaft		NOPS	1
08	145-358	Set Screw			2
09	G21-02-1A-3	Second Color Side Frame		NOPS	1
10					
11	I18-54-3	Snubber for Handle			1
12	I18-55-3	Snubber Pin			1
13	I18-56-3	Snubber Spring			1
14	145-355	Set Screw			
15					1
16	G09-17-02-7	Water Drip Guard Tray			1
17	125-758	Screw			2
18	180-106	Lock Washer			2
19	G21-01-1A-3	Second Color Side Frame		OPS	1
20	I18-46-1B-3	Handle Assy	(06, 08, 11 ~14)		1
21	G04-06-1B-7	Form Roller Shaft with Handle Assy	(05, 20)		1
22	R03-01-0B-7	Dampening Form Roller with Cover	(01, 02)	NOPS	1
23	G24-38-3	Spacer	(for 70)	OPS	1
24	G04-36-3	Drive Gear			1
25	G04-37-3	Drive Collar			1
26	R02-38-3	Set Screw			1
27	G04-36-1A-3	Drive Gear Assy	(24 ~ 26)		1
28	R03-02-02-7	Dampening Sleeve			1
29	R03-01-1C-7	Dampening Form Roller with Sleeve			1
30	R03-01-1A-7	Dampening Form Roller	49.5ϕ	Option	1
31	R03-01-0A-7	Dampening Form Roller with Cover		Option	1


NOP-Side
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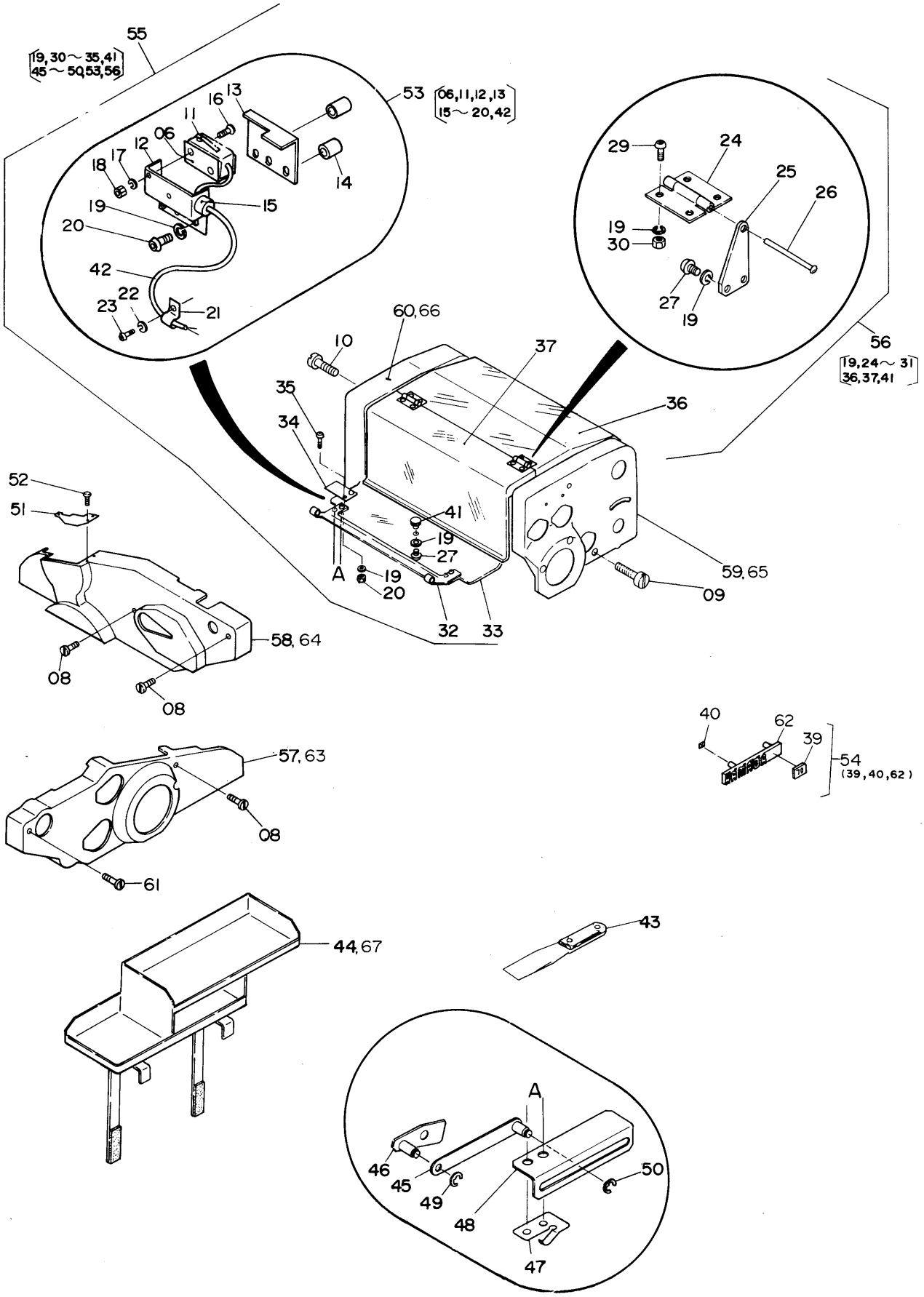
Dampening Section
Dampening Fountain Roller and Dampening Fountain Bottle

INDEX NO.	Parts No.	Description	Remarks	Units per Assy
01	R03-20-3	Dampening Fountain Bottle		1
02	R03-21-3	Bottle Gasket		1
03	R03-25-3	Nut		1
04	R03-23-3	Valve		1
05	R03-19-3	Fountain Bottle Valve Cup		1
06	R03-24-3	Spring		1
07	R03-22-3	Valve Stem		1
08	R04-14-3	Fountain Cup		1
09	G05-72-3	Fountain Cup Hose		1
10	R04-13-3	Bottle Outer Bracket		1
11	R04-13-01-3	Bottle Inner Bracket		1
12	125-715	Screw		2
13	180-105	Lock Washer		2
14	170-105	Nut		2
15	G25-86-3	Bottle Mounting Bracket		1
16	180-106	Lock Washer		4
17	125-765	Screw		3
18	G21-02-1A-3	Second Color Side Frame	NOPS	1
19	G05-74-01-3	Mounting Bracket for Water Stop		1
20	G05-83-7	Water Stop Shaft		1
21	R05-01-3	Water Stop (Wipper Blade)		
22	125-760	Screw		6
23	G25-81-3	Bushing for Fountain Roller	NOPS	1
24	G25-80-1A-7	Dampening Fountain Roller		1
25	G05-01-7	Dampening Fountain Tray		1
26				
27	G01-22-01-7	Dampening Fountain Tray Bracket		1
28	111-314	Coupling Screw		1
29	R02-07-3	Fountain Roller Coupling		1
30	G05-06-3	Dampening Fountain Roller Shaft	OPS	1
31	G21-01-1A-3	Second Color Side Frame	OPS	1
32	117-520	Screw		4
33	R03-19-0A-3	Dampening Fountain Bottle Assy (02～07)		1
34	G05-72-1A-3	Fountain Cup with Hose (08, 09)		1
35	G05-73-1A-3	Dampening Fountain Bottle Bracket Assy (10～14)		1
36	G25-82-3	Mounting Bracket for Water Stop		1
37	G05-83-1A-7	Bracket Assy for Water Stop		1
38	G25-85-3	Brake Drum		1
39	145-405	Set Screw		2
40	KR-80	Brake Shoe (A)		1
41	KR-81	Brake Shoe (B)		1
42	KR-88	Screw		1
43	KR-82	Spring		1
44	183-725	Cotter Pin		1
45	184-106	Flat Washer		2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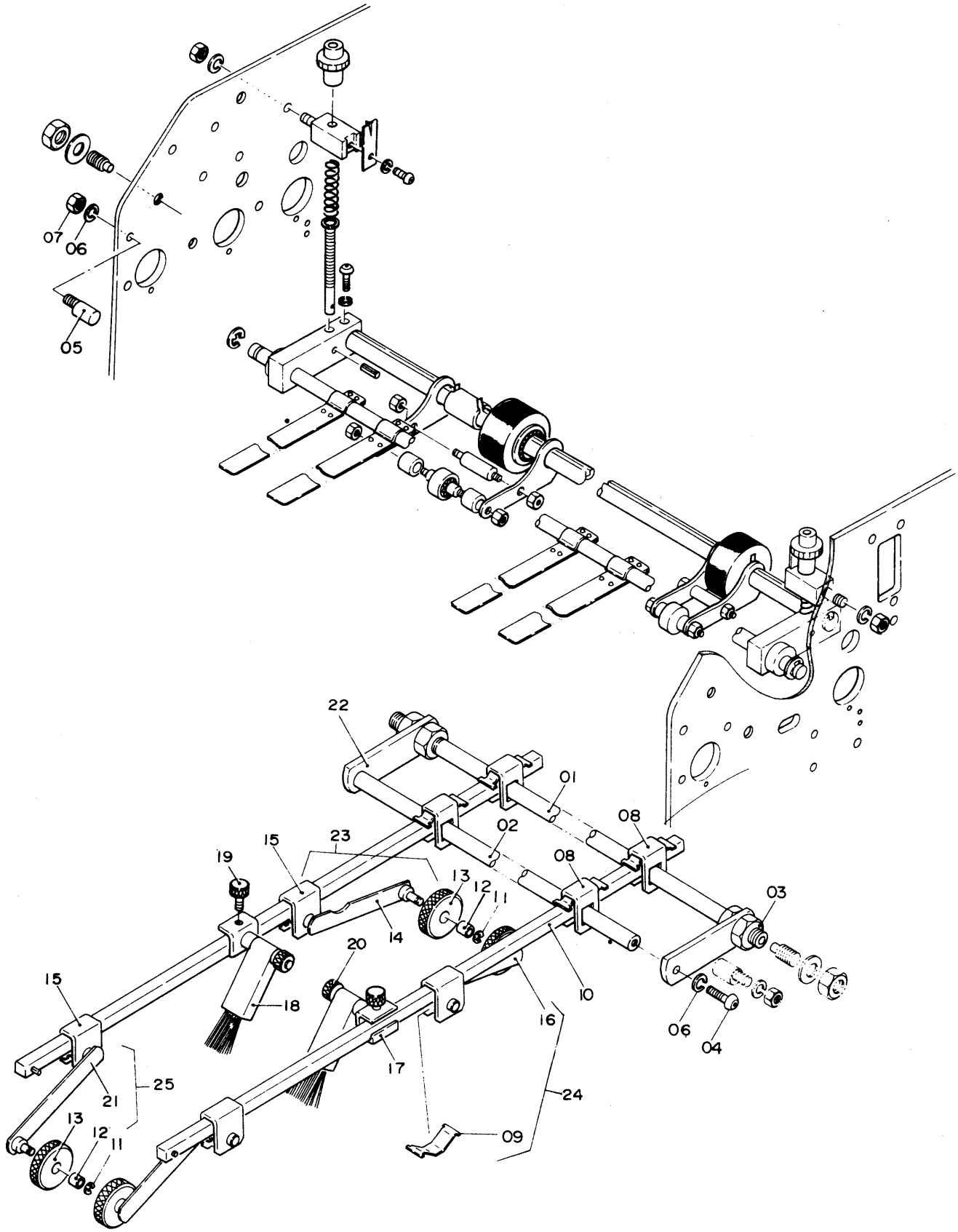
INDEX NO.	Parts No.	Description	Remarks	Units per Assy
01				
02				
03				
04				
05				
06	A06-13-3	Micro Switch Shield		1
07				
08	111-533	Screw	OPS	3
09	111-383	Screw	OPS	2
10	111-387	Screw	NOPS	2
11	E10-13-3	Safety Switch		1
12	G09-11-01-3	Switch Shield		1
13	G09-12-01-3	Switch Bracket		1
14	G09-13-3	Spacer		2
15	E30-03-3	Cord Stopper		1
16	125-615	Screw		2
17	180-103	Lock Washer		2
18	170-103	Nut		2
19	180-105	Lock Washer		17
20	125-725	Screw		2
21	H04-27-3	Cord Binder		1
22	180-104	Lock Washer		1
23	125-662	Screw		1
24	G09-07-1C-3	Hinge		2
25	G29-67-3	Hinge Bracket		2
26	G09-09-3	Hinge Pin		
27	125-708	Screw		4
28				
29	125-712	Screw		8
30	170-105	Nut		8
31				
32	G09-04-7	Cover Hinge Plate		1
33	G09-64-7	Cover Panel		1
34	G09-05-3	Safety Switch Operating Plate		1
35	122-115	Screw		2
36	G09-63-7	Dampening Roller Guard		1
37	G09-62-7	Ink Roller Guard		1
38	G09-26-3	Name Plate	for Domestic Use	1
39	G09-27-7	Name Plate		1
40	B04-50-3	Nut		2
41	G09-16-1	Knob		1
42	A08-33-3	Cord		1
43	B03-29-3	Spatula		1
44	G10-01-1A-3	Work Organizer		1
45	G09-47-1A-3	Link		1
46	G09-50-1A-3	Safety Cover Stopper Bracket		1
47	G09-51-3	Spring		1
48	G09-46-3	Guide Plate		1
49	181-404	E-Ring		1
50	181-405	E-Ring		1
51	G09-44-3	Ink Cover Plate		1
52	125-656	Screw		3
53	G09-11-1A-3	Safety Switch Assy		1
54	G09-27-1A-7	Name Plate Assy		1
55	G09-64-1A-7	Safety Cover Assy	Optionary	1
56	G09-63-1A-7	Safety Cover Assy		1
57	G09-20-1A-3	Inking System Cover Panel		1
58	G09-21-3	Inking System Cover Panel		1
59	G09-60-1A-7	Second Color Cover Panel	OPS	1
60	G09-61-7	Second Color Cover Panel	NOPS	1
61	111-525	Screw	OPS	1
62	G09-65-3	Name Plate	for Over Seas	1
63	G09-20-1B-3	Inking System Cover Panel (New Color)	OPS	1
64	G09-21-30-3	Inking System Cover Panel (New Color)	NOPS	1
65	G09-60-1B-7	Second Color Cover Panel (New Color)	OPS	1
66	G09-61-30-7	Second Color Cover Panel (New Color)	NOPS	1
67	G10-01-1B-3	Work Organizer (New Color)		1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INDEX NO.	Parts No.	Description		Remarks	Units per Assy
01	H11-01-7	Skidwheel Frame Pilot Shaft			1
02	H11-03-01-7	Skidwheel Frame Spreader			1
03	170-110.3	Nut			
04	125-712	Screw			
05	H07-30-3	Skidwheel Frame Eccentric Leveling Stop Pin			2
06	180-105	Lock Washer			2
07	170-105	Nut			2
08	H11-10-3	Guide Arm Bracket			4
09	H11-13-3	Skidwheel Bracket Spring			8
10	S30-05-1A-3	Skidwheel Bracket Guide Arm			2
11	181-404	E-Ring			
12	243-600	Skidwheel Bushing (H11-54-3)			4
13	H11-14-3	Skidwheel			4
14	S30-08-1A-3	Skidwheel Arm W/Cut-Out		NOPS	1
15	H11-12-3	Skidwheel Bracket			4
16	S30-07-1A-3	Skidwheel Arm W/Cut-Out		OPS	1
17	H15-82-1A-3	Brush Bracket			2
18	H15-81-3	Brush			2
19	H11-34-3	Thumb Screw			2
20	H15-84-3	Thumb Nut			2
21 S	S30-07-3	Skidwheel Arm			2
22	S30-01-3	Skidwheel Frame			2
23	S30-08-1B-3	Skidwheel Assy	(09, 11~15)	NOPS	1
24	S30-07-1B-3	Skidwheel Assy	(09, 11~13, 16)	OPS	1
25	H11-16-1B-3	Skidwheel Assy	(11, 12, 13, 15, 21)		2