

PARTS MANUAL

User's Guide

This parts manual includes illustrations for identifying and ordering replacement parts. In some cases parts have been improved to simplify maintenance and extend parts life. Parts are direct replacements.

Locate the illustration within the Table of Contents. Below is a sample illustration which indicates where to find appropriate information required to order replacement parts.

Item numbers may have more than one part number. To find the appropriate part number locate "x" in the press model column.

AIR STAMPING, INC.		M-1000 Series Presses		PARTS MANUAL			
<p>Parts List with item number, description, part number, quantity and model.</p>							
↓							
Item	Description	Part No.	Qty. Per Unit	M-1000	M-1000A	M-1000AI	M-1000B
1	Spacer	AS-301204	1	x	x	x	x
2	Spacer	AS-299912	1	x	x	x	x
3	Shim	AS-346805	1	x	x	x	x
4	Drive Shaft	AS-346801	1	x	x	x	x
5	Spacer	AS-346803	1	x	x	x	x
6	Bevel Gear	AS-381155(Pair)	1	x	x	x	x
		AS-75376	1	x	x	x	x
		AS-279634	1	x	x	x	x
7	Cap	AS-346802	2	x	x	x	x
8	Spacer	AS-346807	1	x	x	x	x
9	Drive Shaft	AS-346806	1	x	x	x	x
10	Shim	AS-346808	1	x	x	x	x

Illustration Number

Illustration 1
Unit Drive

PARTS MANUAL

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PARTS MANUAL

Limitation on warranties and remedies Terms and Conditions of Sales

- A. Warranties and disclaimers of warranties as to products manufactured by Air Stamping, Inc.
Air Stamping, Inc. warrants only that product manufactured by Air Stamping are to be free from defective materials and workmanship for a period of one year from the date of invoice, provided said items are used in accordance with Air Stamping, Inc. specifications and without fault of the Buyer. **Air Stamping, Inc. gives no other warranties, express or implied, regarding its products. Air Stamping, Inc. gives no warranties of merchantability or fitness for a particular purpose.**
- B. Disclaimer of warranty as to products not manufactured by Air Stamping, Inc.
Air Stamping, Inc. does not warrant in any fashion any products represented by Air Stamping, Inc. but not manufactured by it, even though Air Stamping may represent such product and such product may be purchased through Air Stamping, Inc. Such products may be under warranty by the manufacturer's standard warranty, but it is the Buyer's responsibility to determine the terms of any such manufacturer warranty.
- C. Exclusive remedies
Buyer's remedy of replacement of part, (or at Air Stamping, Inc.'s option to refund of the purchase price for the part), is the Buyer's sole or exclusive remedy against Air Stamping, Inc. arising out of the purchase of the equipment or parts hereunder.
- D. Time to bring suit
The Buyer agrees that in no event may any lawsuit arising out of this contract or relating to products sold hereunder be filed against Air Stamping, Inc. more than one year from date product leaves sellers plant.
- E. Limitation of damages
Under no circumstances shall Air Stamping, Inc. be liable to Buyer for incidental or consequential damages or claims of any kind, whether arising in contract, tort, negligence, strict products liability, statutory or regulatory violation or under any other legal theory.
- F. Quotations
All quotations submitted by Seller to buyer shall expire after (30) days, unless otherwise stated on the quotation.
- G. Prices, Invoices, Orders
All prices and offers to sell are subject to change without notice, unless stated in a written document signed by Seller stating that such prices and offers to sell are firm for a definite period, and in all cases are subject to withdrawal at any time before acceptance by the Buyer. All sales prices are subject to change without notice by Seller prior to the acceptance of orders. All goods shall be invoiced at Seller's prices as in effect as of the date of shipment of the Goods, unless otherwise agreed to in a written document signed by Seller. All prices set forth in Seller's catalog, price sheets, quotations and other documents are subject to change without notice to Buyer. All prices quoted by Seller shall be f.o.b. Seller's plant of manufacture. Seller shall endeavor to advise Buyer of any fluctuations in the price of Goods; however, all prices of Goods shall be subject to adjustment to reflect prices as in effect as of the date of shipment of the Goods ordered by Buyer.
- H. Taxes
All manufacturer's excise taxes, use taxes, sales tax, or other taxes or duties of any nature whatsoever arising against orders accepted by Sellers shall be added to the prices quoted or invoiced by Seller to Buyer and shall be paid by the Buyer unless Buyer shall furnish Seller at the time of acceptance of an order by Seller an exemption certificate or other documents acceptable to the particular taxing or customs authorities which clearly indicate that no such taxes or duties are payable in respect to such order.
- I. Cancellation - Returns
No cancellations of an order will be permitted by Seller unless agreed to in writing by an authorized representative from the home office of Seller. Upon cancellation of any order, Buyer shall reimburse Seller for all costs resulting from cancellation of the order, including without limitation all costs for labor, material set-up, manufacturing and all other costs incidental to the cancellation of such order. Buyer shall not change any specifications, shipping schedules or other terms and conditions of any order without the prior written consent of Seller. In the event that Seller agrees to any such changes, Buyer shall reimburse Seller for all costs arising from such changes, including without limitations, all labor, material set-up, design, manufacturing and all other costs incidental to the modification of the order.
- J. Terms of Payment
Unless otherwise stated on the face hereof, payments against invoices shall be due and payable thirty (30) days from the date of Seller's invoice.
- K. Shipment, Risk of Loss, Delivery
Unless otherwise agreed in writing by Seller, all shipments of Goods shall be made f.o.b. Seller's plant of manufacture. Risk of loss pass to the Buyer upon delivery of the goods at Seller's plant of manufacture to the carrier by the Seller, irrespective of the method of shipment or payment. In the absence of specific shipping instructions, methods of shipment will be determined at the sole discretion of Seller, without liability to Seller. All standard packing charges for Goods shipped within the United States are included in the price quoted to Buyer.

Seller shall not be liable for any delay in the delivery or shipment of the Goods or for any damage suffered by Buyer by reason of such delay when such delay is directly or indirectly caused by, or in any manner arises from, fire, flood, accident, riot, war, government interference, strike, shortage of labor or material, inadequate transportation facilities or any cause or causes beyond Seller's reasonable control. Seller shall attempt in good faith to meet scheduled delivery dates, but in no event shall Seller be liable for any liquidated, special, consequential or other damages arising from any such delays or failures to comply with scheduled delivery dates. Claims for shortage of Goods will not be accepted by Seller unless received by Seller fifteen (15) days from the date of shipment of the Goods.

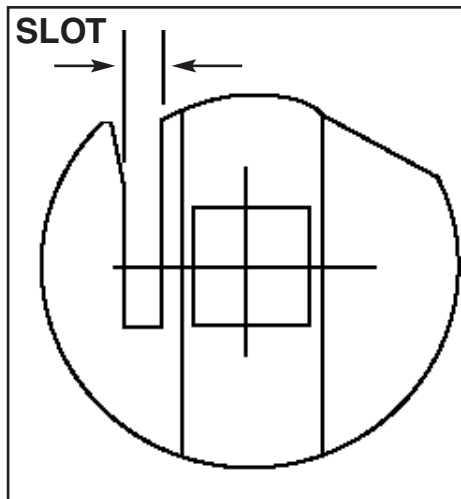
Blanket Cylinder Reel Rod Selection Chart

Air Stamping Lock-up Design

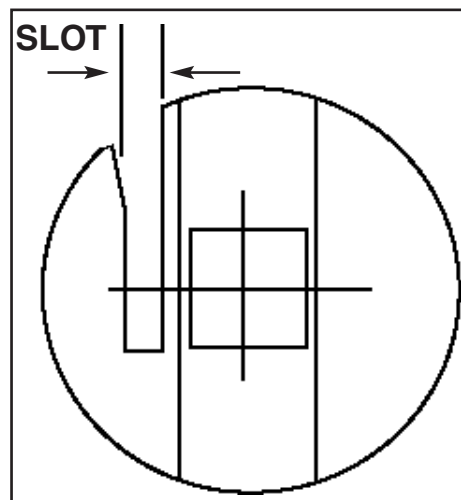
Air Stamping's reel rod design incorporates unique square hole reel rod and square shank stud design, helping to eliminate the problems associated with round hole design.

Changing Cylinder Gap

Air Stamping offers reel rods to allow the customer to narrow blanket cylinder gap. Standard .262 gap cylinders can be narrowed to .210 or .180 gap to increase print area. Consult cylinder metalizer for cylinder gap reduction and select corresponding reel rod from chart.



SCULPTURED



ROUND

Press Model	Part Number	Gap	Length	Profile
M-1000	AS-301520-AA	.262	38"	S
	AS-301520-AC	.210	38"	S
	AS-301520-AB	.180	38"	S

M-1000A	AS-301520-AA	.262	38"	S
	AS-301520-AC	.210	38"	S
	AS-301520-AB	.180	38"	S

M-1000AI	AS-379897-A	.262	38"	R
	AS-472350-AC	.210	38"	R
	AS-379897-B	.180	38"	R
	*AS-301520-AA	.262	38"	S
	*AS-301520-AC	.210	38"	S
	*AS-301520-AB	.180	38"	S

M1000AII	AS-379897-A	.262	38"	R
	AS-472350-AC	.210	38"	R
	AS-379897-B	.180	38"	R
	*AS-301520-AA	.262	38"	S
	*AS-301520-AC	.210	38"	S
	*AS-301520-AB	.180	38"	S

M-1000B	AS-379897-A	.262	38"	R
	AS-472350-AC	.210	38"	R
	AS-379897-B	.180	38"	R
	AS-272350-AB	.180	35"	R

M-1000BE	AS-379897-A	.262	38"	R
	AS-472350-AC	.210	38"	R
	AS-379897-B	.180	38"	R
	AS-272350-AB	.180	35"	R

Notes:

1. Sculptured reel rod design prevents the blankets from being crushed within the M-1000 & M-1000A.
2. M-1000AI & M-1000AII units will except M-1000 & M-1000A blanket cylinders. **If cylinder vintage is uncertain use *sculptured reel rod.**
3. Cylinder balancing may be required when changing reel rod profile or gap, consult cylinder metalizer.

Illustration 1

Unit Drive

Item	Description	Catalog No.	Qty. Per Unit	M-1000	M-1000A	M-1000AI	M-1000All
1	Spacer	AS-301204	1	x	x	x	x
2	Spacer	AS-299912	1	x	x	x	x
3	Shim	AS-346805	1	x	x	x	x
4	Drive Shaft	AS-346801	1	x	x	x	x
		AS-353466	1	x	x		
5	Spacer	AS-346803	1	x	x	x	x
6	Bevel Gear	AS-381155(Pair)	1	x	x	x	x
		AS-075376*	1	x	x	x	x
		AS-279634*	1	x	x	x	x
7	Cap	AS-346802	2	x	x	x	x
8	Spacer	AS-346807	1	x	x	x	x
9	Drive Shaft	AS-346806	1	x	x	x	x
10	Shim	AS-346808	1	x	x	x	x
11	Drive Pinion 22-3/4	AS-346799	1	x	x	x	x
12	Unit Clutch	AS-353466	1	x	x	x	x
13	Drive Gear & Clutch	AS-299916	1	x	x	x	x
14	Drive Gear	AS-346800	1	x	x	x	x
15	Unit Drive Bracket	AS-346813	1	x	x	x	x

* Only sold as matched pair (381155)

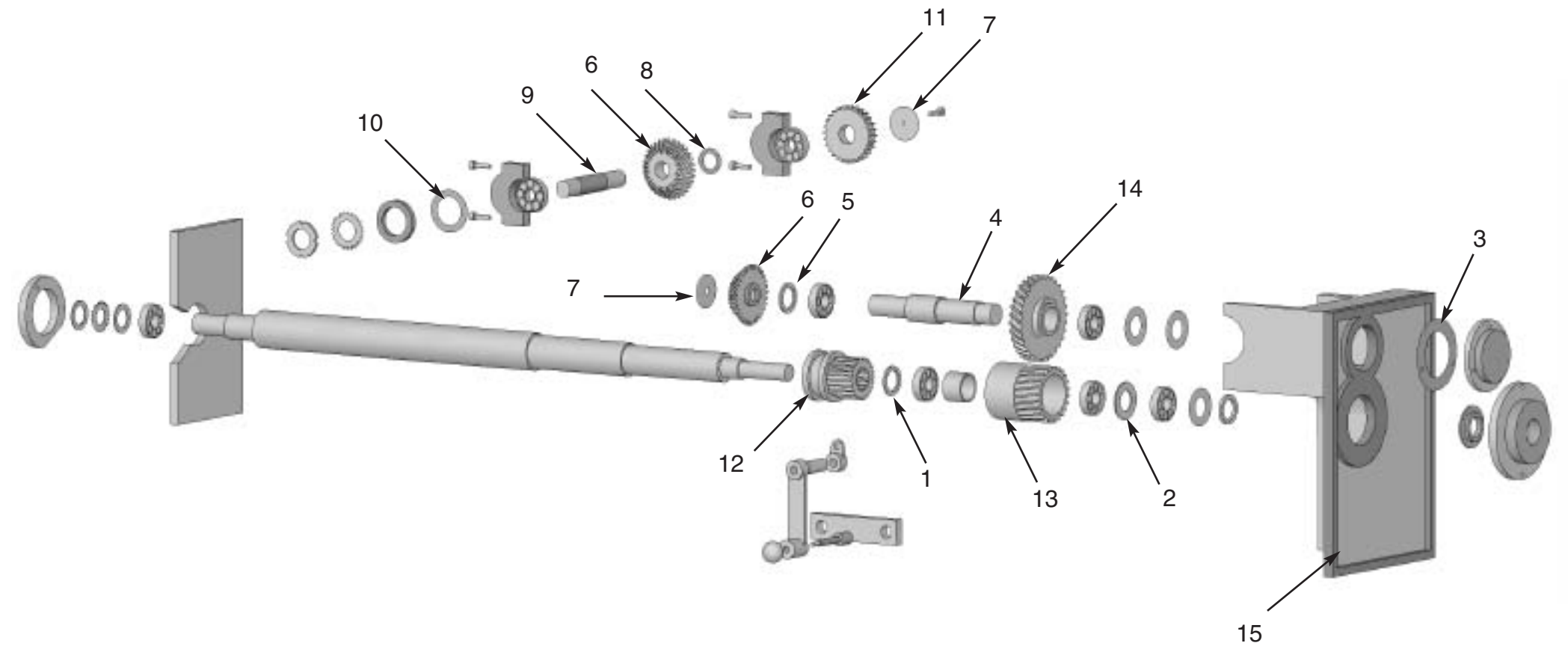
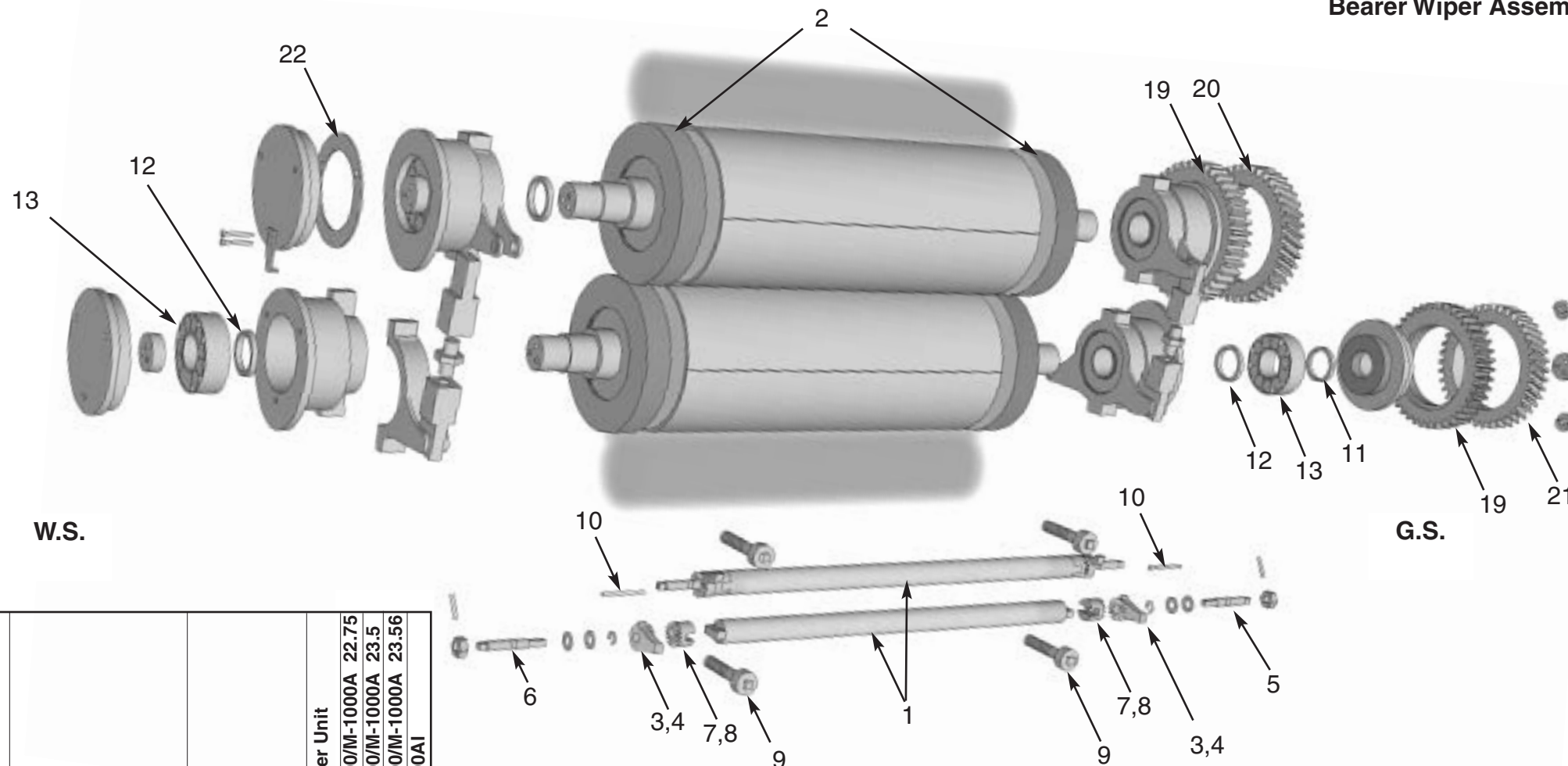


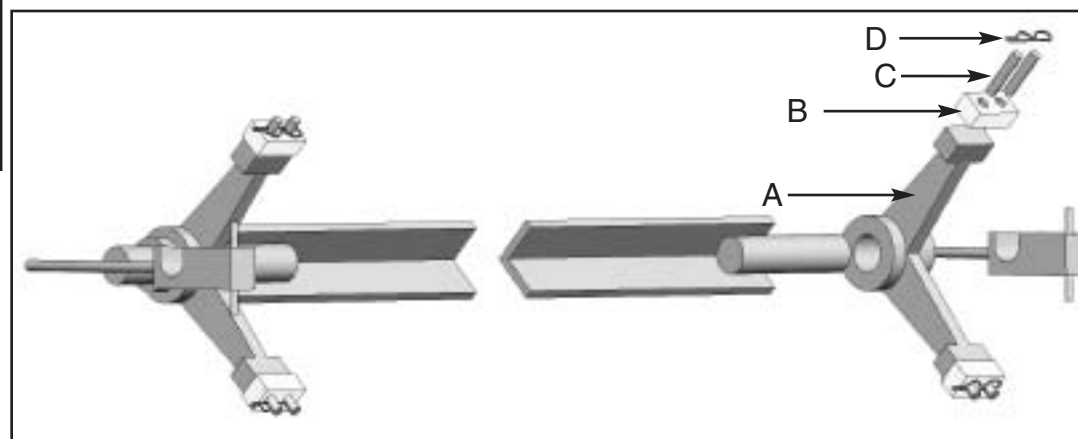
Illustration 2
Blanket Cylinders, Throwoff,
Lockups and Gears
Bearer Wiper Assembly

Item	Description	Catalog No.	Qty. Per Unit	M-1000/M-1000A	22.75	M-1000/M-1000A	23.5	M-1000/M-1000A	23.56	M-1000AI	M-1000AI	M-1000B
				x	x	x	x	x	x	x		
1	Reel Rod (chrome)	AS-301520-AB*	4	x		x		x		x		x
**Note See Reel Rod Specification Chart												
2	Bearer (H-13) Bolt On	AS-460299	4					x		x		x
	(H-13) Press On	AS-458749	4	x				x				
	(H-13) Press On	AS-458751	4		x							
	(H-13) Press On	AS-363228	4			x						
3	Reel Rod Lever	AS-301510	4	x	x	x	x	x	x	x	x	x
4	Reel Rod Lever	AS-301511	4	x	x	x	x	x	x	x	x	x
5	Reel Rod Stud G.S.	AS-381901-C*	4	x	x	x	x	x	x	x	x	x
		AS-338339	4	x	x	x						
6	Reel Rod Stud W.S.	AS-381901-B*	4	x	x	x	x	x	x	x	x	x
		AS-338338	4	x	x	x						
7	Rod Ratchet	AS-379895	4	x	x	x	x	x	x	x	x	x
		AS-302229	4	x	x	x						
8	Rod Ratchet	AS-379896	4	x	x	x	x	x	x	x	x	x
		AS-302230	4	x	x	x						
9	Rod Adjusting Screw	AS-329299	8	x	x	x	x	x	x	x	x	x
10	Ratchet Stop Pin	AS-381902	8					x		x		x
		AS-335878	8	x	x	x						
11	Spacer, Gear Hub	AS-301521	4	x	x	x	x	x	x	x	x	x
12	Spacer, Bearing	AS-301518	4	x	x	x	x	x	x	x	x	x
13	Blanket Cyl. Bearing	AS-300988	4	x	x	x	x	x	x	x	x	x
		AS-485716	4									x
14	Spacer	AS-357*	8	x	x	x	x	x	x	x	x	x
15	Spacer	AS-358*	8	x	x	x	x	x	x	x	x	x
16	Retaining Ring	AS-356*	8	x	x	x	x	x	x	x	x	x
17	Hex Collar	AS-477495	8									x
18	Spiral Pin	AS-477496	8									x
19	Blkt. Gear Inside U&L	AS-346788	2	x				x		x		
		AS-346719	2		x							
		AS-346787	2			x						
20	Blkt. Gear Outside U.	AS-346785	1	x				x		x		
		AS-346718	1		x							
		AS-346783	1			x						
		AS-465037	1									x
21	Blkt. Gear Outside L.	AS-346786	1	x				x		x		
		AS-346717	1		x							
		AS-346784	1			x						
		AS-465038	1									x
22	Shim	AS-329402	2	x	x	x	x	x	x	x	x	x

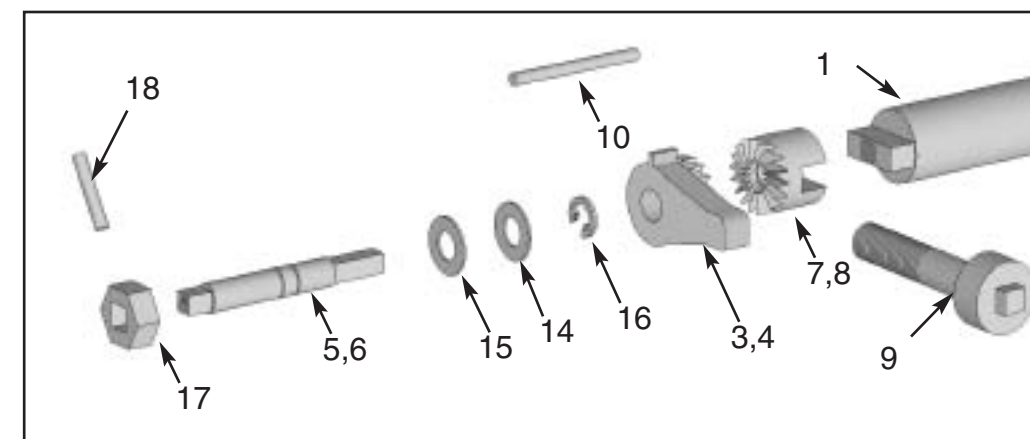
*Air Stamping improved lockup not directly interchangeable



Item	Description	Catalog No.	Qty. Per Unit	M-1000/M-1000A	22.75	M-1000/M-1000A	23.5	M-1000/M-1000A	23.56	M-1000AI
				x	x	x	x	x	x	
A	Bearer Wiper Arm	AS-353323	2	x	x	x	x	x	x	x
B	Bearer Wiper Felt	AS-353325	4	x	x	x	x	x	x	x
C	Pin	AS-650-7	8	x	x	x	x	x	x	x
D	Clip	AS-650-8	4	x	x	x	x	x	x	x



Bearer Wiper Assembly



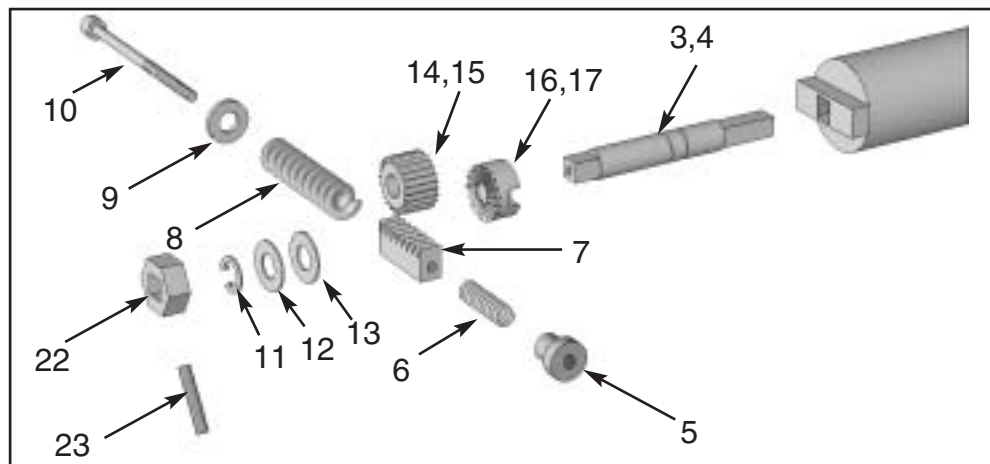
Air Stamping's Improved Blanket Cylinder Lock-up Mechanism

Illustration 3

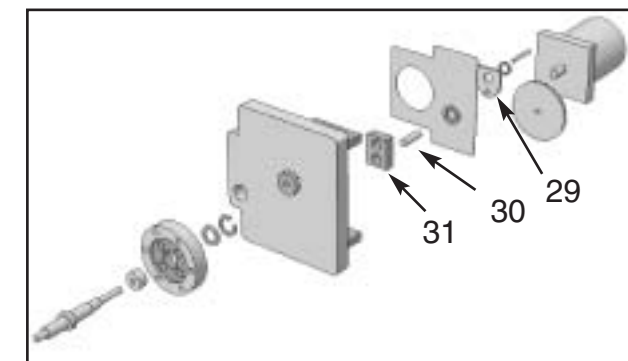
Plate Cylinders, Sidelay Register, Harmonic Drive, Lockups and Cocking Mechanism

Item	Description	Catalog No.	Qty. Per Unit	M-1000/M-1000A	22.75	M-1000/M-1000A	23.5	M-1000/M-1000A	23.56	M-1000AI	M-1000All	M-1000B
				x	x	x	x	x	x	x	x	x
1	Reel Rod (chrome)	AS-370465-A*	2	x	x	x	x	x	x	x	x	x
2	Bearer (H-13)	AS-458747	4	x								
	(H-13)	AS-458752	4	x								
	(H-13)	AS-363227	4			x						
3	Reel Rod Stud W.S.	AS-381901-D*	2	x	x	x	x	x	x	x	x	x
4	Reel Rod Stud G.S.	AS-381901-D*	2	x	x	x	x	x	x	x	x	x
5	Threaded Bushing	AS-300161	4	x	x	x	x	x	x	x	x	x
6	Spring	AS-303126	4	x	x	x	x	x	x	x	x	x
7	Gear Rack	AS-300171	4	x	x	x	x	x	x	x	x	x
8	Engineered Spring	AS-381**	4	x	x	x	x	x	x	x	x	x
9	Washer	AS-382	4	x	x	x	x	x	x	x	x	x
10	Cap Screw (chrome)	AS-380	4	x	x	x	x	x	x	x	x	x
11	Retaining Clip	AS-356*	4	x	x	x	x	x	x	x	x	x
12	Spacer	AS-357*	4	x	x	x	x	x	x	x	x	x
13	Spacer	AS-358*	4	x	x	x	x	x	x	x	x	x
14	Ratchet Gear	AS-312690	2	x	x	x	x	x	x	x	x	x
15	Ratchet Gear	AS-312691	2	x	x	x	x	x	x	x	x	x
16	Ratchet	AS-312692	2	x	x	x	x	x	x	x	x	x
17	Ratchet	AS-312693	2	x	x	x	x	x	x	x	x	x
18	Spacer W.S.	AS-299993	2	x	x	x	x	x	x			
		AS-471585	2									x
19	Spacer G.S.	AS-352358	2	x	x	x	x	x	x			
		AS-471568	2									x
20	Bearing W.S.	AS-299951	2	x	x	x	x	x	x			
		AS-300988	2									x
21	Bearing G.S.	AS-304184	2	x	x	x	x	x	x			
		AS-300988	2									x
22	Hex Collar	AS-477495	4									x
23	Spiral Pin	AS-477496	4									x
24	Sidelay Shaft	AS-335187	2	x	x	x	x	x	x			
		AS-465796	2									x
25	Shim	AS-328809	2	x	x	x						
26	Shim	AS-352388	2	x	x	x	x					
27	Plate Cylinder Gear	AS-352363	2	x				x	x			
		AS-352364	2		x							
		AS-352365	2			x						
		AS-465036	2									x
		AS-465033	2									x
28	Shim	AS-300730	2							x	x	x
29	Motor Crank	AS-362017	2					x				
30	Crank Pin	AS-357044	2	x	x	x						
31	Crank Lever	AS-357042	2	x	x	x						
32	Shim	AS-352358	2	x	x	x						

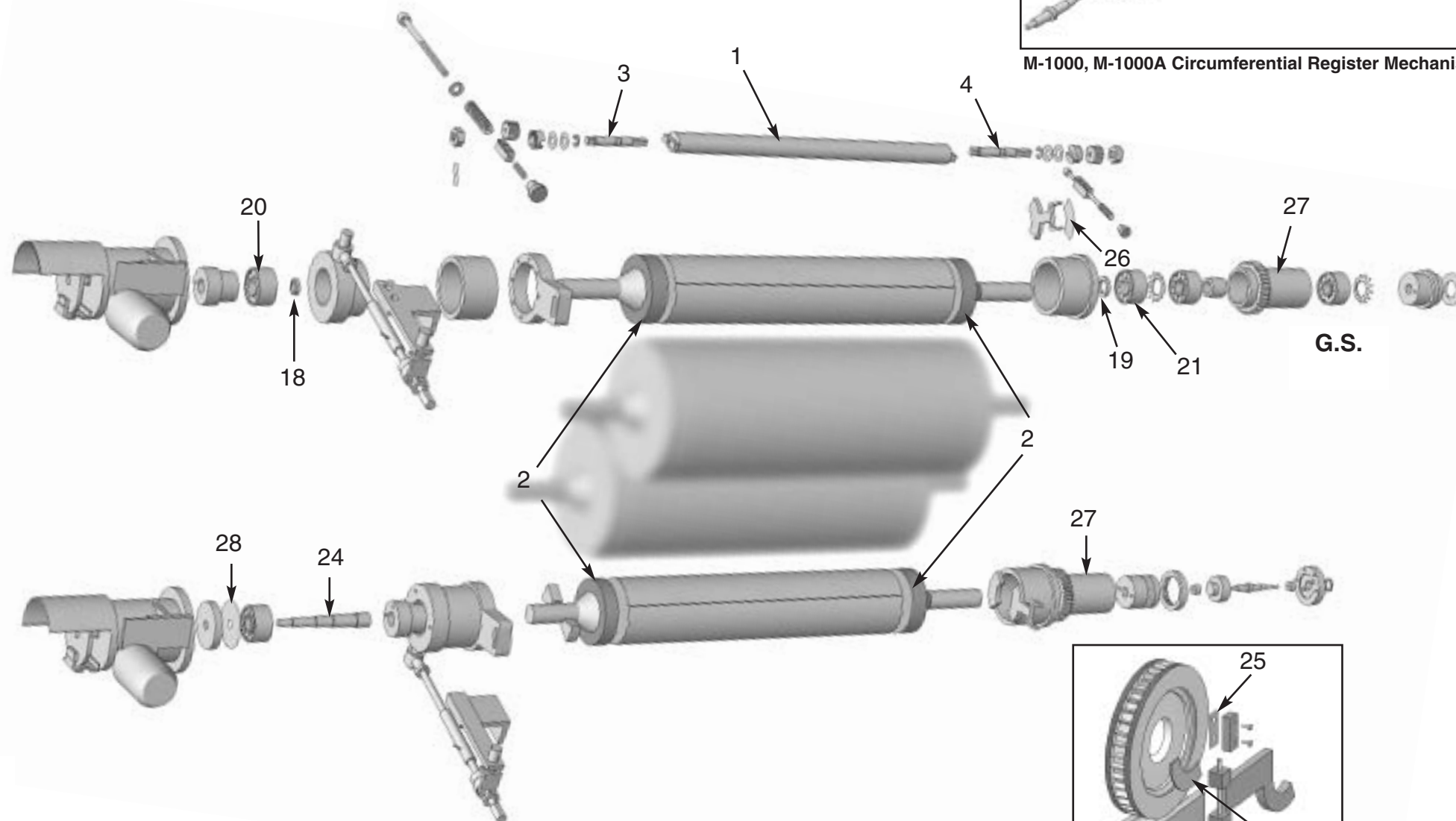
* Air Stamping improved lockup not directly interchangeable
 ** Replaces belleville washers



Air Stamping's Improved Plate Cylinder Lock-up Mechanism

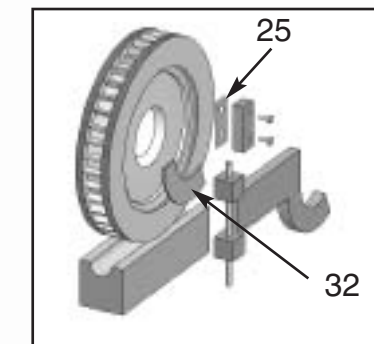


M-1000, M-1000A Circumferential Register Mechanism



W.S.

G.S.

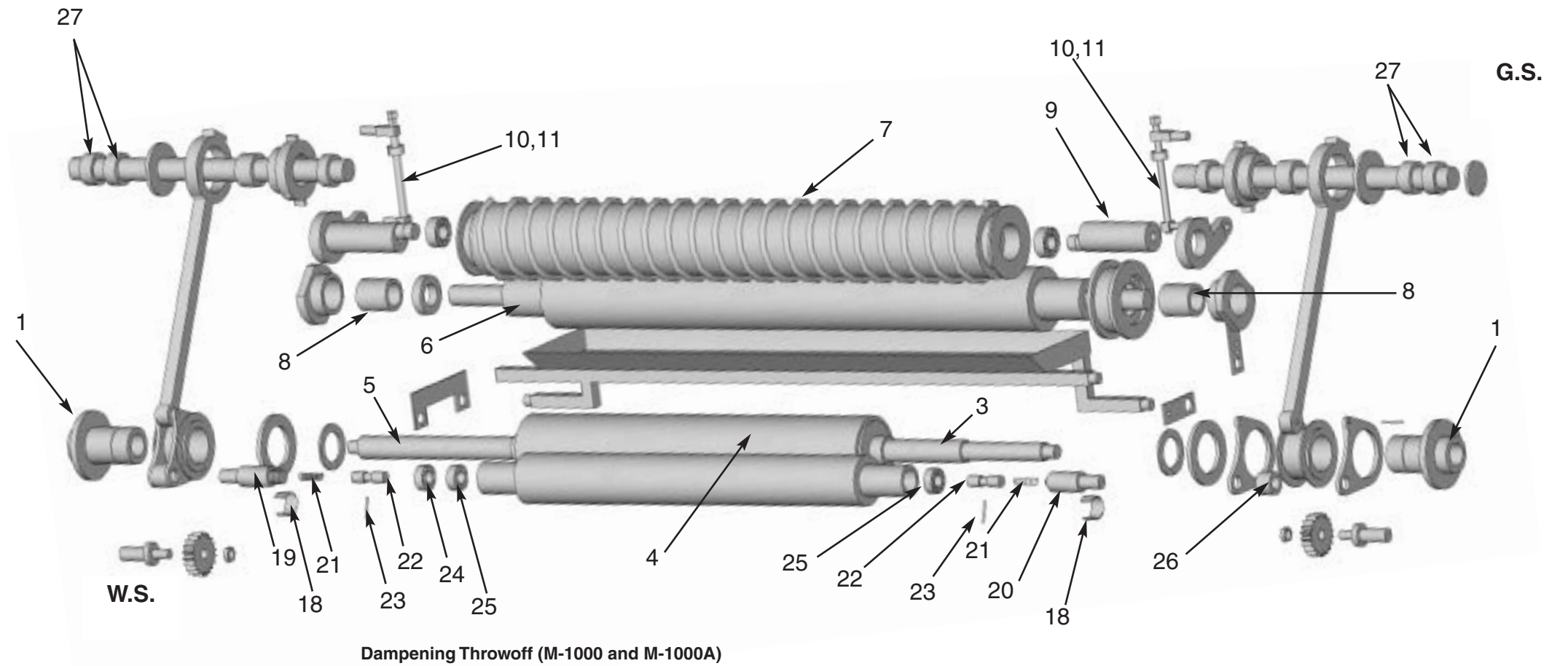


M-1000, M-1000A
Plate Cylinder Cocking
Mechanism

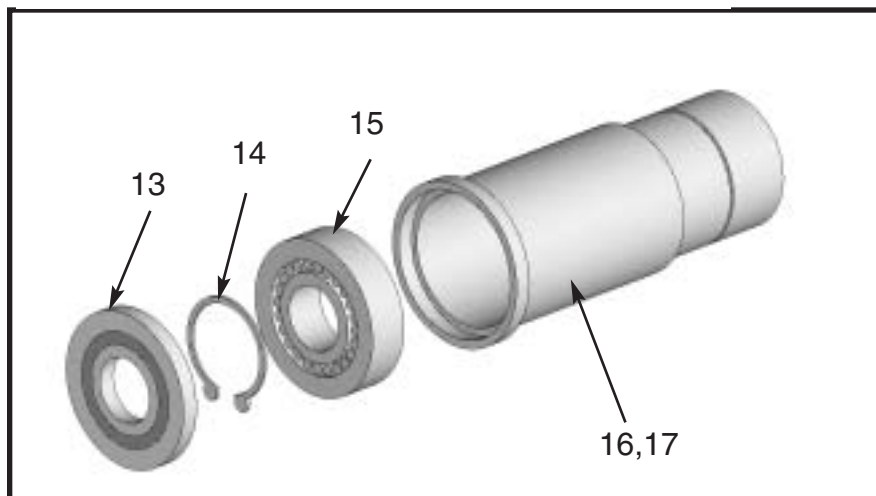
Illustration 4
Brush Dampening

Item	Description	Catalog No.	Qty. Per Unit					
				M-1000	M-1000A	M-1000AI	M-1000AII	M-1000B
1	Vibrator Bushing	AS-299941	4	x	x	x		
2	Eccentric Stud	AS-449490	4				x	x
3	Vibrator Roll Shaft G.S.	AS-302064	2	x	x	x		
		AS-463972	2				x	x
		AS-472362	2					x
4	Water Vibrator Roll	AS-306570	2	x	x	x		
5	Vibrator Roll Shaft W.S.	AS-302063	2	x	x	x		
		AS-461503	2					x
		AS-478259	2					x
6	Pan Roll	AS-318816	2	x	x	x		
7	Brush	AS-323865	2	x	x	x	x	x
8	Pan Roll Bushing	AS-328981	4	x	x	x	x	x
9	Roll End/Adj. Ecc. Shaft	AS-301114	4	x	x	x	x	x
10	Adjusting Rod U	AS-304826	2	x	x	x	x	x
11	Adjusting Rod L	AS-304827	2	x	x	x	x	x
12	Hanger Noddle Pin W.S.	AS-376904	4	x	x	x	x	x
13	Oil Seal	AS-461798	4					x
14	Retaining Ring	AS-461802	4					x
15	Roller Bearing	AS-461490	4					x
16	Bearing Adapter W.S.	AS-461775	2					x
		AS-465656	2					x
		AS-465652	2					x
17	Bearing Adapter G.S.	AS-466195	2					x
		AS-465648	2					x
		AS-465649	2					x
18	Spindle Clip	AS-309124	4	x	x			
19	Stud W.S.	AS-327535	2	x	x			
20	Stud G.S.	AS-300057	2	x	x			
21	Spring	AS-283127	4	x	x			
22	Spindle	AS-300060	4	x	x			
23	Pin Handle	AS-300061	4	x	x			
24	Adjusting Nut	AS-327534	2	x	x			
25	Bearing	AS-301123	8	x	x			
26	Spacer	AS-300053	4	x	x			
27	Bushing	AS-302160	8	x	x			
28	Locking Sleeve	AS-478167*	4					x
29	Locking Flange	AS-465988*	4					x

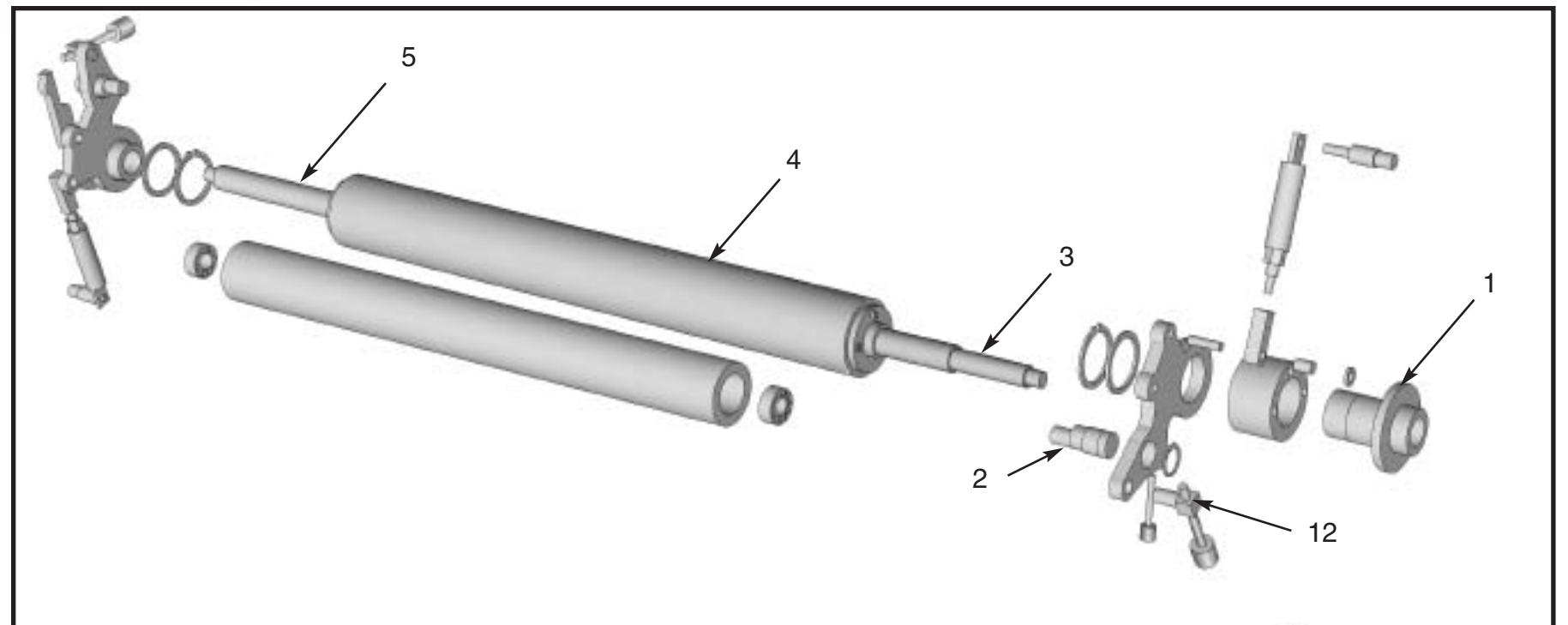
* Not shown



Dampening Throwoff (M-1000 and M-1000A)



M-1000AII Bearing Adapter



Dampening Throwoff (M-1000AI and M-1000AII)

Illustration 5
Ink Fountain Blade

Item	Description	Catalog No.	Qty. Per Unit				
				M-1000	M-1000A	M-1000AI	M-1000AII
1	Brake Drum	AS-460842	2				x
2	Fountain Brake	AS-460843	2				x
3	Adjusting Stud	AS-459041	2				x
4	Turnbuckle End	AS-460844	2				x
5	Spring	AS-462367	2				x
6	Retaining Ring	AS-642572	4				x
7	Roller Bearing	AS-465191	4				x
8	Inner Race	AS-465192	4				x
9	Bushing	AS-339643	4	x	x	x	
10	Fountain End G.S.	AS-338831	2	x	x	x	
		AS-473629	2				x
11	Fountain End Felt	AS-360611	4	x	x	x	x
12	Fountain End Plate	AS-360612	4	x	x	x	x
13	Fountain Roll	AS-355706	2		x	x	
		AS-465190	2				x
14	Segmented Fountain Blade	AS-338838-1	2	x	x	x	x
15	Adjusting Screw	AS-36552	4	x	x	x	x
16	Fountain Blade Holder	AS-338836	2	x	x	x	x
17	Fountain Lockup Shaft	AS-313198	2	x	x	x	x
18	Fountain End W.S.	AS-338830	2	x	x	x	x
		AS-473628	2				x
19	Plunger	AS-313199	4	x	x	x	x
20	Ftn. Bracket W.S. U.	AS-463629*	1		x	x	x
21	Ftn. Bracket W.S. L.	AS-463629*	1		x	x	x
22	Spring	AS-313278	2	x	x	x	x
23	Ball Handle/Knurl knob	AS-313200	2	x	x	x	x
24	Fountain Pivot Shaft	AS-338840	4	x	x	x	x
25	Ftn. Bracket G.S. U.	AS-463630*	1		x	x	x
26	Ftn. Bracket G.S. L.	AS-463630*	1		x	x	x
27	Toggle Stop/Eccentric	AS-774	4	x	x	x	x
28	Pin Stud	AS-313277	4	x	x	x	x
29	Toggle Lever	AS-313192	4	x	x	x	x
30	Toggle Link	AS-313193	4	x	x	x	x
31	Pin Stud	AS-313276	4	x	x	x	x
32	Nose Piece	AS-757381	48			x	x
33	Telecolor Actuator	AS-396882-RD	48			x	x
34	Shield	AS-366868	2			x	x

*Split top fountain brackets utilize roller bearing in place of bushing
*Replaces 352344 & 352345

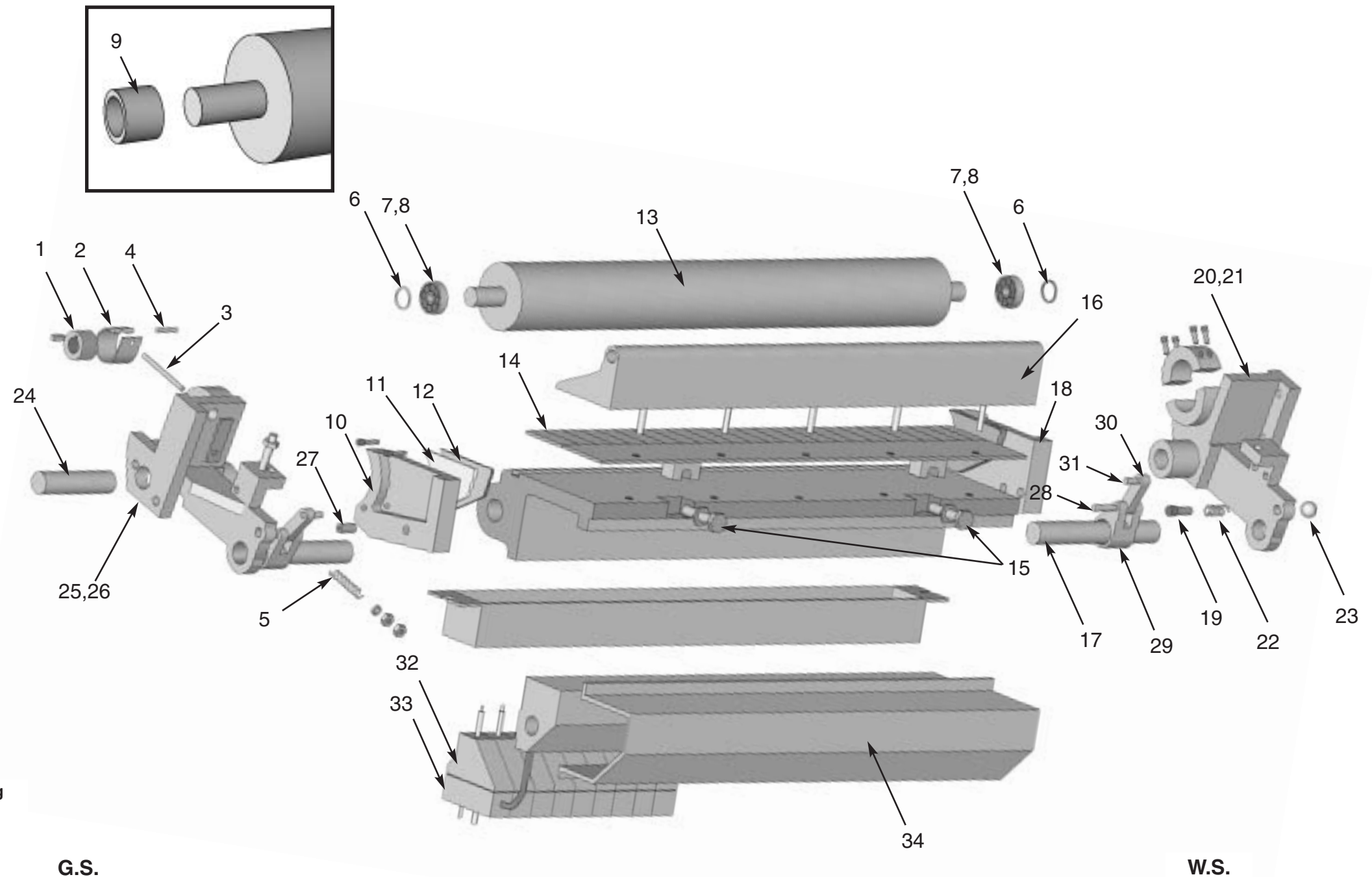


Illustration 6
Sliding Block Ink Fountain

Item	Description	Catalog No.	Qty. Per Unit	M-1000	M-1000A	M-1000AI	M-1000AII	M-1000B
1	Brake Drum	AS-460842	2				x	x
2	Fountain Brake	AS-460843	2				x	x
3	Adjusting Stud	AS-459041	2				x	x
4	Turnbuckle End	AS-460844	2				x	x
5	Spring	AS-462367	2				x	
		AS-483118	2					x
6	Retaining Ring	AS-642572	4				x	x
7	Roller Bearing	AS-465191	4				x	x
8	Inner Race	AS-465192	4				x	x
9	Fountain End G.S.	AS-478072	2				x	
		AS-473629*	2				x	x
10	Fountain End Felt	AS-473631	4				x	x
11	Fountain End Plate	AS-473630	4				x	x
12	Fountain Roll	AS-465190	2				x	x
13	Tubing Seal	AS-473867	2				x	x
14	Clamp Bar	AS-471601	2				x	x
15	Ink Fountain Wall	AS-471602	2				x	x
16	Pivot Pin	AS-471608	48				x	x
17	Ink Blade Block	AS-471609	48				x	x
18	Spring	AS-392174	48				x	x
19	Spring Spacer	AS-483275	48				x	x
20	Actuator Shield	AS-474851	2				x	x
21	Actuator Stem Guide	AS-471603	48				x	x
22	Thrust Bearing	AS-471611	48				x	x
23	Actuator Stem	AS-471604	48				x	x
24	Fountain Body	AS-471612	2				x	
		AS-473183	2					x
25	Fountain Lockup Shaft	AS-313198	2				x	x
26	Fountain End W.S.	AS-478072	2					x
		AS-473628*	2				x	x
27	Plunger	AS-313199	4				x	x
28	Ftn. Bracket W.S. U.	AS-463629	1				x	x
29	Ftn. Bracket W.S. L.	AS-463629	1				x	x
30	Spring	AS-313278	2				x	x
31	Ball Handle/Knurled Knob	AS-313200	2				x	x
32	Fountain Pivot Shaft	AS-338840	4				x	x
33	Ftn. Bracket G.S. U.	AS-463630	1				x	x
34	Ftn. Bracket G.S. L.	AS-463630	1				x	x
35	Toggle Stop/Eccentric	AS-774	4				x	x
36	Pin Stud	AS-313277	4				x	x
37	Toggle Lever	AS-313192	4				x	x
38	Toggle Link	AS-313193	4				x	x
39	Pin Stud	AS-313276	4				x	x
40	Support Plate	AS-471601	2				x	x
41	Telecolor Actuator	AS-396882	48				x	x
42	Junction Box Bracket	AS-471605	4				x	

*not shown

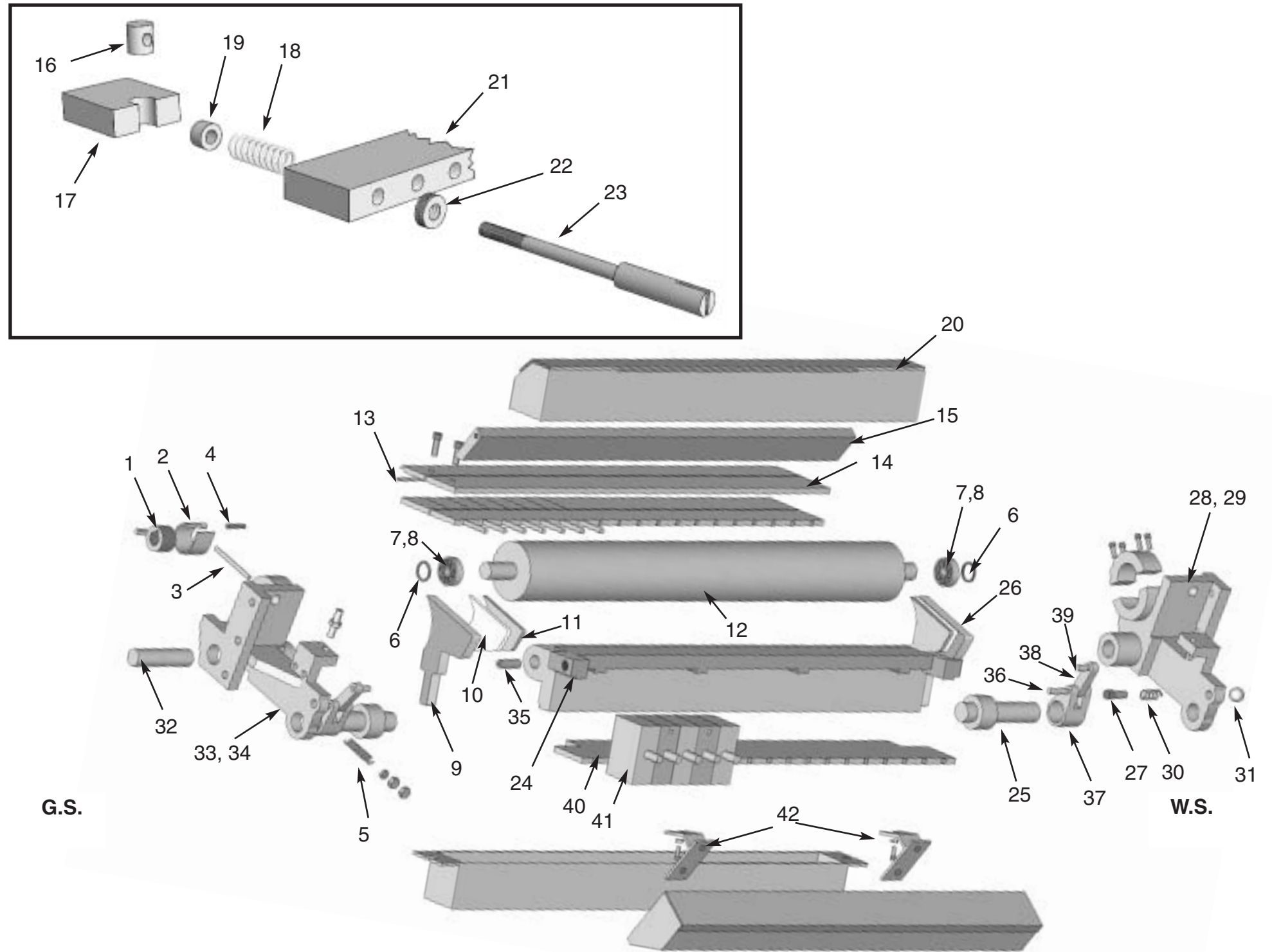
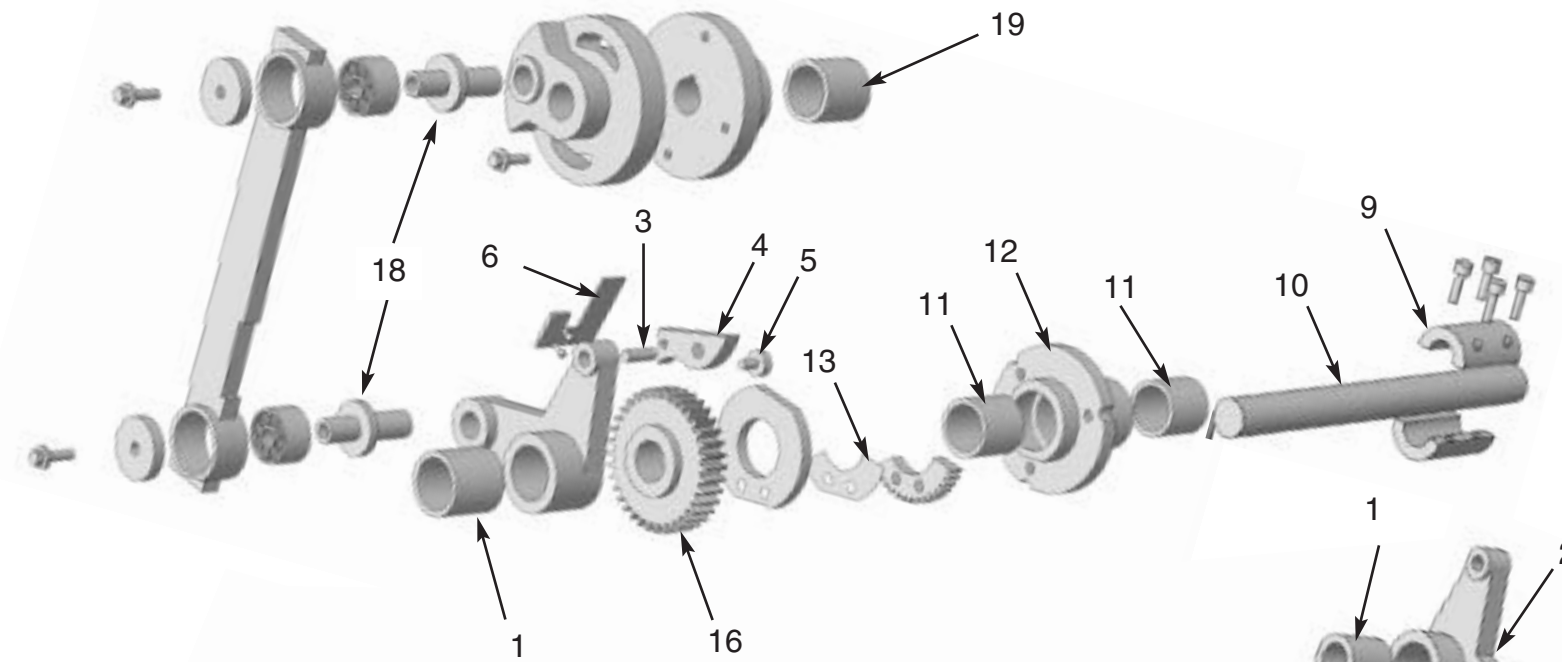
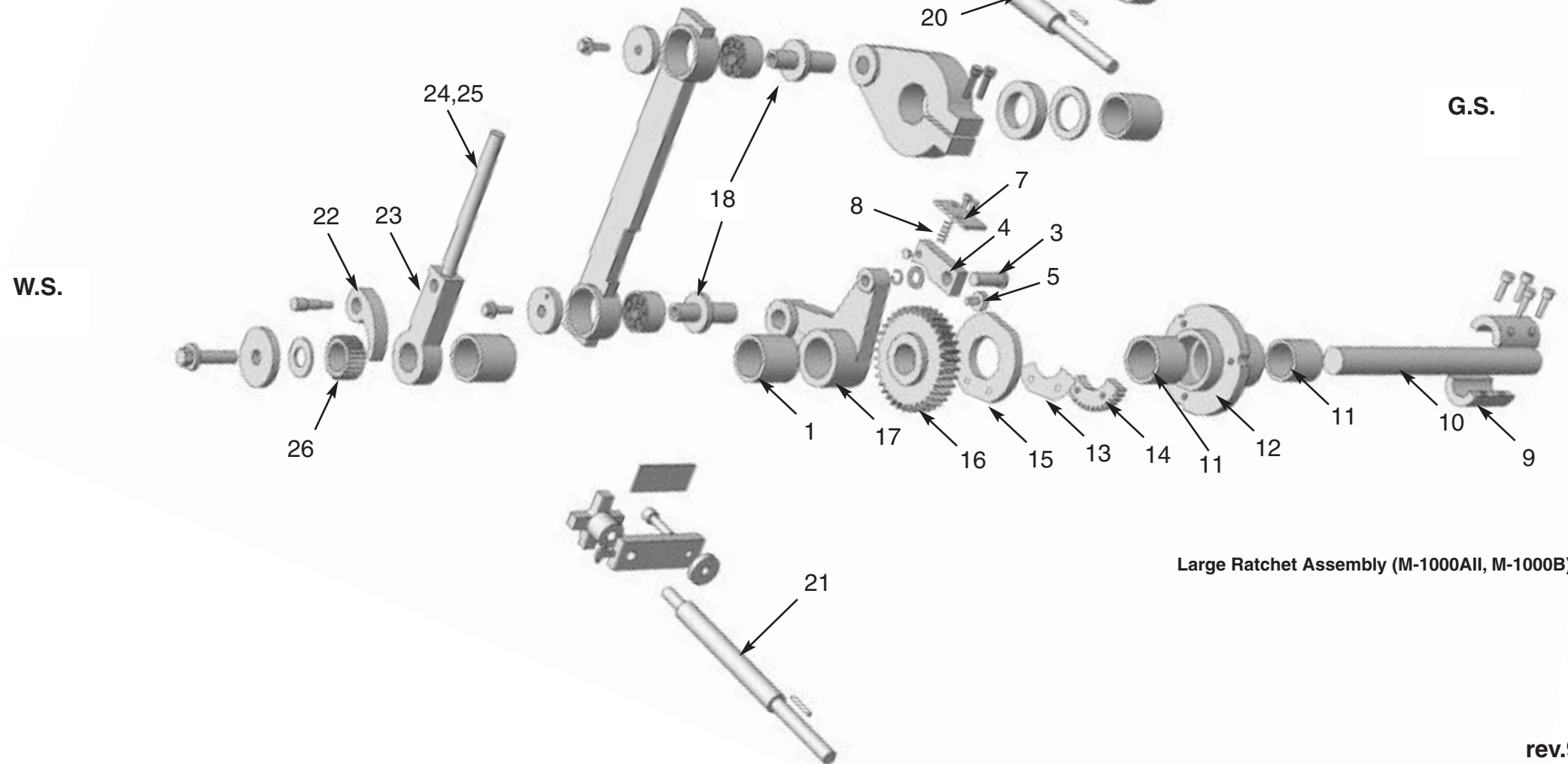


Illustration 7
 Small Ink Ratchet Assembly
 Large Ink Ratchet Assembly

Item	Description	Catalog No.	Qty. Per Unit	M-1000	M-1000A	M-1000AI	M-1000AII	M-1000B
1	Bushing	AS-313996	2	x	x	x	x	x
2	Fountain Pawl Lever U.	AS-461250	1				x	x
3	Fountain Pawl Stud	AS-447919	2				x	x
		AS-314506	2	x	x	x		
		AS-633683	2			x		
4	Pawl	AS-377651	2	x	x	x		
		AS-448153	2				x	x
5	Cam Follower Roller	AS-461470	2				x	x
		AS-267201	2	x	x	x		
6	Fountain Pawl Spring	AS-379921	2	x	x	x		
7	Pawl Stop	AS-461489	2				x	x
8	Compression Spring	AS-447918	2				x	x
9	Two Piece Coupling	AS-314021	2	x	x	x		
		AS-465726	2				x	x
10	Fountain Drive Shaft	AS-357226	2	x	x	x		
		AS-465194	2				x	
11	Bushing	AS-313997	4	x	x	x	x	x
12	Fountain Drive Bracket	AS-313992	2	x	x	x	x	x
13	Cam Shim	AS-313327	2	x	x	x		
		AS-463634	2				x	x
14	Gear Segment	AS-461249	2				x	x
15	Fountain Drive Cam	AS-448166	2				x	x
16	Ink Fountain Ratchet	AS-313988	2	x	x	x		
		AS-448167	2				x	x
17	Fountain Pawl Lever L.	AS-448154	1				x	x
18	Stud	AS-313989	4	x	x	x	x	
19	Ductor Shaft Bushing	AS-304851	4	x	x	x		
20	Adjusting Shaft Upper	AS-313326	1	x	x	x		
21	Adjusting Shaft Lower	AS-313325	1	x	x	x		
22	Hand Ratchet Pawl	AS-300047	2	x	x	x	x	x
23	Fountain Ratchet Handle	AS-300048	2	x	x	x	x	x
24	Ratchet Handle Upper	AS-326879	1	x	x	x	x	x
25	Ratchet Handle Lower	AS-314012	1	x	x	x	x	x
26	Fountain Hand Ratchet	AS-300046	2	x	x	x	x	x



Small Ratchet Assembly (M-1000, M-1000A, M-1000AI)



Large Ratchet Assembly (M-1000AII, M-1000B)

G.S.

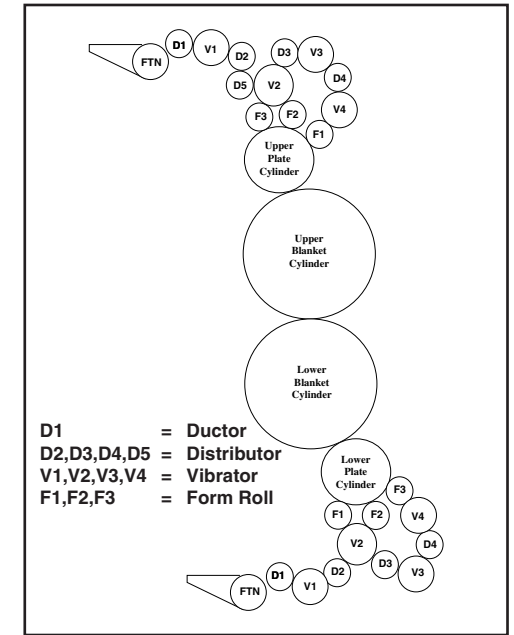
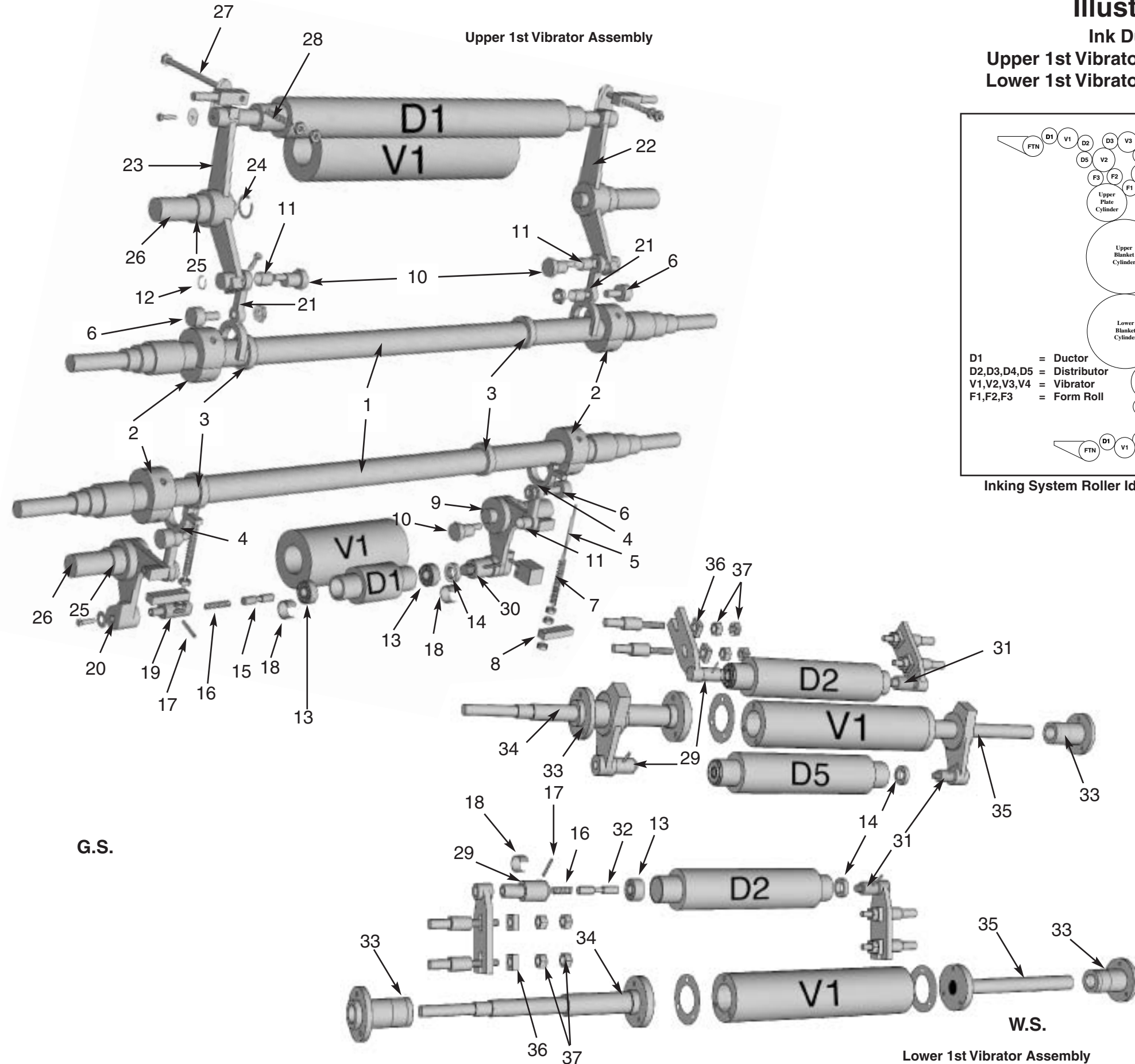
W.S.

Illustration 8

Ink Ductor Roller
Upper 1st Vibrator Assembly
Lower 1st Vibrator Assembly

Item	Description	Catalog No.	Qty Per Unit	M-1000 Series				
				M-1000	M-1000A	M-1000AI	M-1000AII	M-1000B
1	Ductor Cam Shaft	AS-313990	2	x	x	x		
	Ductor Cam Shaft	AS-461475	2				x	x
2	Ductor Cam (Split)	AS-309999	4	x	x	x	x	x
3	Shaft Collar	AS-306346	2	x	x	x	x	x
4	Follower Arm L.	AS-353051	2	x	x	x	x	
	Follower Arm L.	AS-465778	2					x
5	Spring Rod L.	AS-300977	2	x	x	x	x	x
6	Cam Follower Roller	AS-053111	4	x	x	x	x	x
7	Spring L.	AS-357039	2	x	x	x	x	x
8	Spring Rod Guide L.	AS-353019	2	x	x	x	x	x
9	Roll Lever W.S. L.	AS-353032	1	x	x	x	x	
	Roll Lever W.S. L.	AS-465747	1					x
10	Eccentric Shaft	AS-318820	4	x	x	x	x	
	Eccentric Shaft	AS-465774	4					x
11	Eccentric Bushing	AS-319361	4	x	x	x	x	
	Eccentric Bushing	AS-465767	4					x
12	Retaining Ring	AS-086459	4	x	x	x	x	
	Retaining Ring	AS-607542	4					x
13	Bearing	AS-323695	10	x	x	x	x	x
	Bearing	AS-486610	10					x
14	Adjusting Nut	AS-327534	5	x	x	x	x	x
15	Spindle	AS-300982	4	x	x	x	x	x
16	Spring	AS-283127	10	x	x	x	x	x
17	Pin Handle	AS-300061	10	x	x	x	x	x
18	Spindle Clip	AS-309124	10	x	x	x	x	x
19	Stud Ductor Roll G.S.	AS-300981	2	x	x	x	x	x
20	Roll Lever G.S. L.	AS-353033	1	x	x	x	x	
	Roll Lever G.S. L.	AS-465747	1					x
21	Follower Arm U.	AS-353052	2	x	x	x	x	
	Follower Arm U.	AS-465780	2					x
22	Roll Lever W.S. U.	AS-353034	1		x	x	x	
23	Roll Lever G.S. U.	AS-353035	1		x	x	x	
24	Retaining Ring	AS-233853	4	x	x	x	x	x
25	Bushing	AS-301424	4	x	x	x	x	x
26	Pivot Shaft	AS-338439	4	x	x	x	x	x
27	Spring Rod U.	AS-300978	2	x	x	x	x	x
28	Spring U.	AS-301056	2	x	x	x	x	x
29	Stud, Form/Dist.Roll G.S.	AS-300057	3	x	x	x	x	x
30	Stud, Ductor Roll W.S.	AS-327679	2	x	x	x	x	x
31	Stud Form, Dist.Roll W.S.	AS-327535	3	x	x	x	x	x
32	Spindle	AS-300060	6	x	x	x	x	x
33	Flanged Bushing	AS-299941	4	x	x	x		
34	Vibrator Gudgeon G.S.	AS-302066	2	x	x	x		
		AS-461487	2				x	x
		AS-495122	2					x
35	Vibrator Gudgeon W.S.	AS-302065	2	x	x	x		
		AS-461503	2				x	x
		AS-472363	2					x
36	Slide	AS-300056	4	x	x	x	x	x
		AS-303528	4	x	x	x	x	x
37	Eccentric Nut	AS-300055	16	x	x	x	x	x
38	Bearing Adapter G.S.	AS-465648*	2					x
39	Bearing Adapter W.S.	AS-465656*	2					x
40	Seal	AS-461798*	4					x
41	Bearing	AS-461490*	4					x
42	Retaining Ring	AS-461802*	4					x
43	Locking Sleeve	AS-478167*	4					x
44	Locking Flange	AS-465988*	4					x

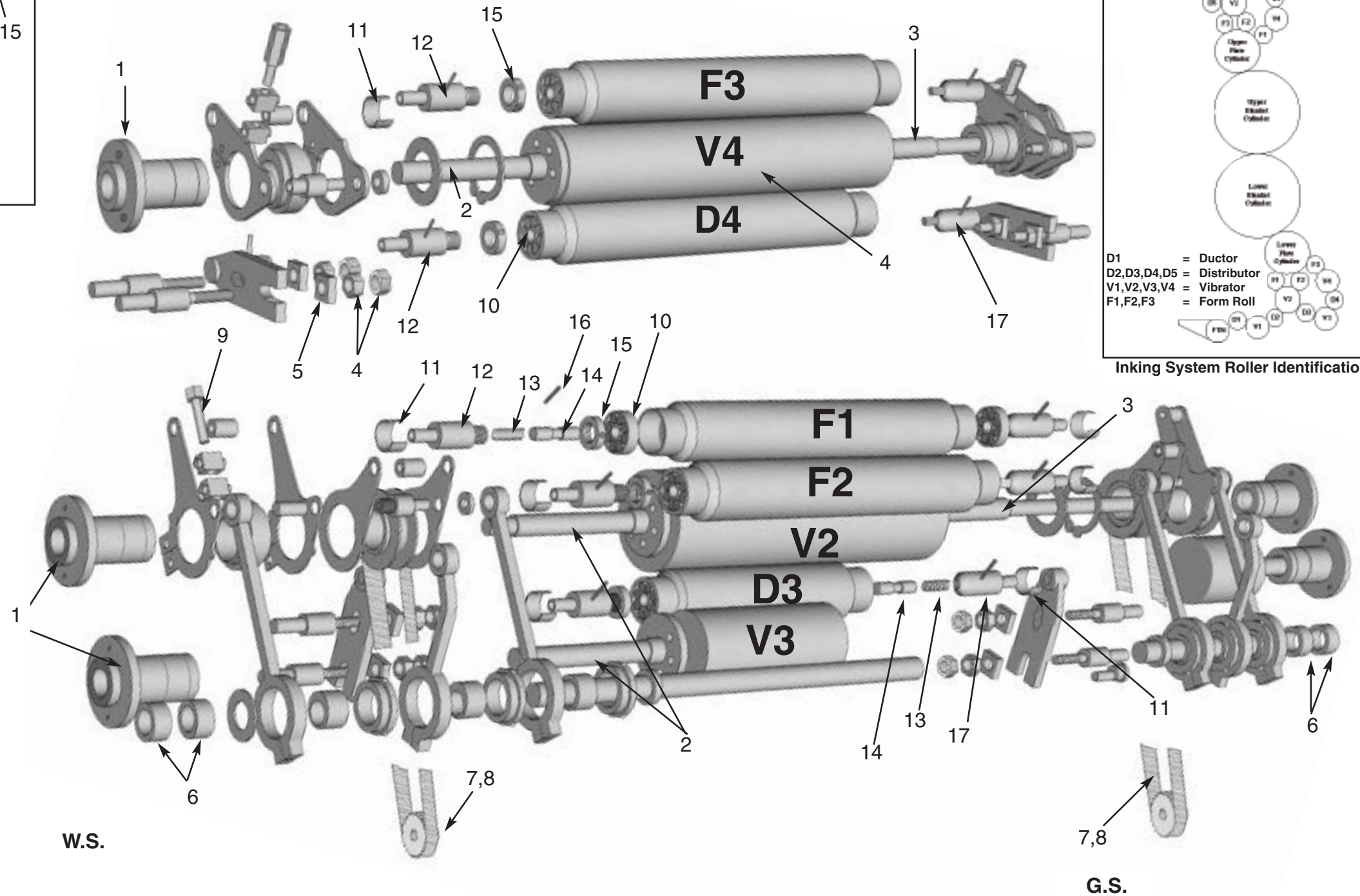
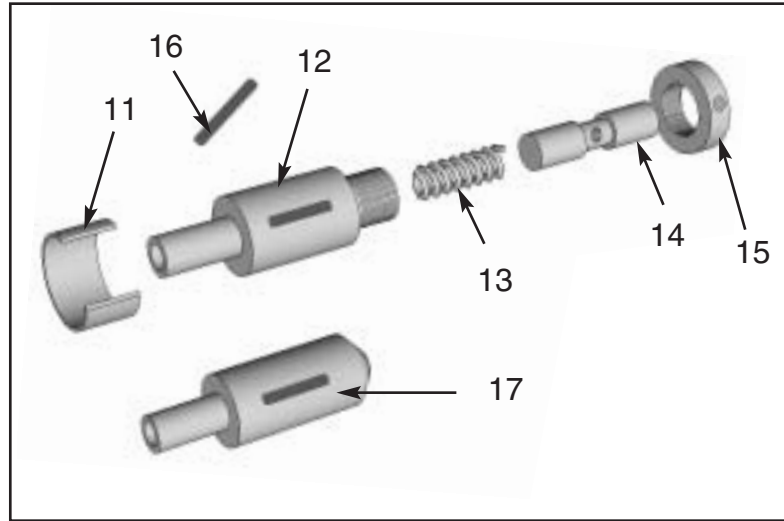
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Inking System Roller Identification

Illustration 9

Ink Vibrator, Distributor, Form Roll



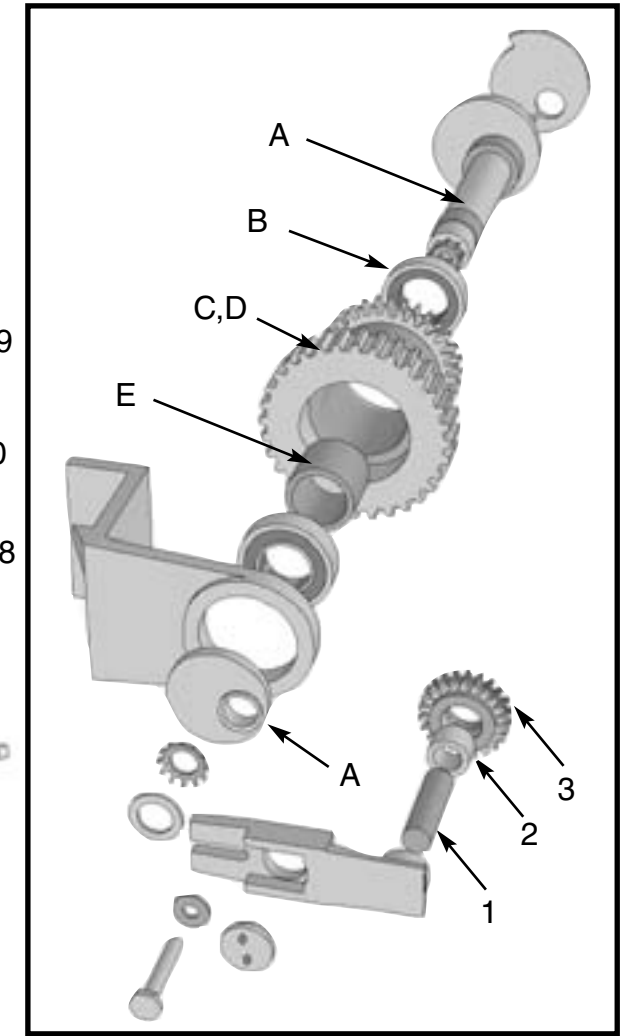
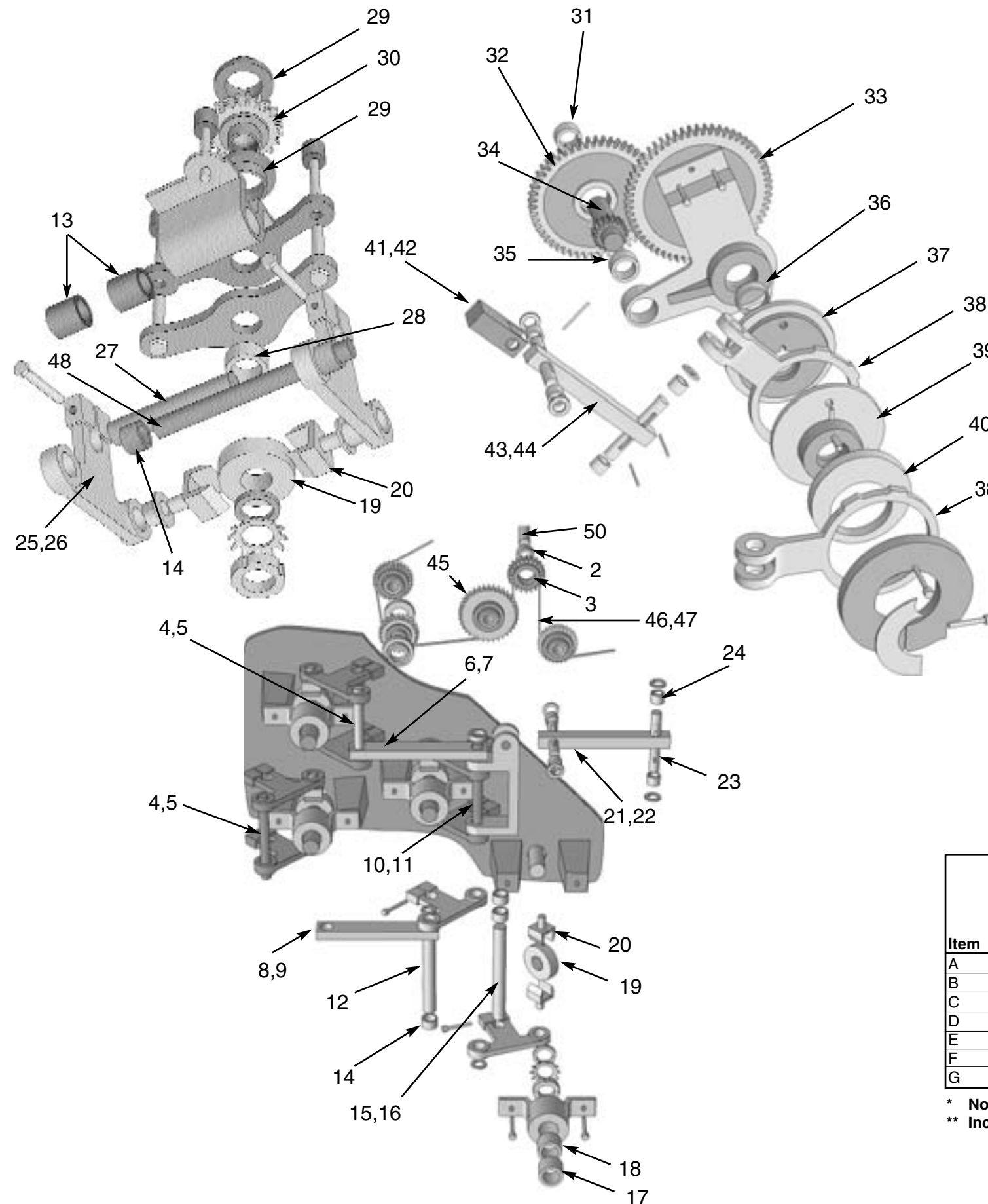
Item	Description	Catalog No.	Qty. Per Unit	M-1000	M-1000A	M-1000AI	M-1000AII	M-1000B
1	Flanged Bushing	AS-299941	12	x	x	x		
2	Vibrator Gudgeon W.S.	AS-302065	6	x	x	x		
		AS-461503	6				x	x
		AS-472363	6					x
3	Vibrator Gudgeon G.S.	AS-342009	6	x	x			
		AS-302066	6			x		
		AS-461487	6				x	x
		AS-472362	6					x
4	Eccentric Nut	AS-300055	16	x	x	x	x	x
5	Slide	AS-300056	4	x	x	x	x	x
		AS-303528	4	x	x	x	x	x
6	Bushing	AS-302160	8	x	x	x	x	
		AS-465042	8					x
7	Chain Pin	AS-300135**	4	x	x	x	x	x
8	Chain (Stainless Steel)	AS-337274	4	x	x	x	x	x
9	Locking Screw	AS-300059	6	x	x	x	x	x
10	Bearing	AS-323695	20	x	x	x	x	
		AS-468610	20					x
11	Spindle Clip	AS-309124	20	x	x	x	x	x
12	Stud, Dist. Roll W.S.	AS-327535	10	x	x	x	x	x
13	Spindle Spring	AS-283127	20	x	x	x	x	x
14	Spindle	AS-300060	20	x	x	x	x	x
15	Adjusting Nut	AS-327534	10	x	x	x	x	x
16	Pin Handle	AS-300061	20	x	x	x	x	x
17	Stud, Dist. Roll G.S.	AS-300057	10	x	x	x	x	x
18	Locking Sleeve	AS-478167*	6					x
19	Locking Flange	AS-465988*	6					x
20	Bearing Adapter G.S.	AS-465648*	3					x
21	Bearing Adapter W.S.	AS-465656*	3					x
22	Seal	AS-461798*	6					x
23	Bearing	AS-461490*	6					x
24	Retaining Ring	AS-461802*	6					x

* Not shown
 ** Included with chain

Illustration 9 identifies lower ink rollers. The upper is similar.

Illustration 10
Vibrator Mechanism

Item	Description	Catalog No.	Qty. Per Unit	M-1000 Series		
				M-1000	M-1000A	M-1000AI
1	Idler shaft, short	AS-353012/301031	2	x	x	x
	Idler shaft, short (expandable)	AS-353012-1**	2	x	x	x
2	Bushing	AS-304165	5	x	x	x
	Bearing	AS-353011	5	x	x	x
3	Sprocket w/Bushing	AS-301027/341989	5	x	x	x
	Sprocket w/Bearing	AS-353667	5	x	x	x
4	Vibrator Link Pin U.	AS-329435	2	x	x	x
5	Vibrator Link Pin L.	AS-329432	2	x	x	x
6	Vibrator Connection U.	AS-328474	1	x	x	x
7	Vibrator Connection L.	AS-328719	1	x	x	x
8	Vibrator Connection U.	AS-328467	1	x	x	x
9	Vibrator Connection L.	AS-328720	1	x	x	x
10	Vibrator Connection Pin U.	AS-341932	1	x	x	x
11	Vibrator Connection Pin L.	AS-341931	1	x	x	x
12	Vibrator Connection Pin	AS-328473	2	x	x	x
13	Vibrator Bracket Bushing	AS-304844	20	x	x	x
14	Bushing	AS-341903	18	x	x	x
15	Vibrator Lever Shaft U.	AS-328496	1	x	x	x
16	Vibrator Lever Shaft L.	AS-328497	1	x	x	x
17	Vibrator Bushing	AS-341900	8	x	x	x
18	Vibrator Bushing	AS-341901	8	x	x	x
19	Vibrator Block	AS-350233	10	x	x	x
20	Vibrator Holding Block	AS-303630	20	x	x	x
21	Vibrator Link U.	AS-328494	1	x	x	x
22	Vibrator Link L.	AS-328475	1	x	x	x
23	Vibrator Link Pin	AS-328480	8	x	x	x
24	Bushing	AS-304151	16	x	x	x
25	Vibrator Lever	AS-397944	9	x	x	x
26	Vibrator Lever	AS-398012	9	x	x	x
	Vibrator (matched pair)	AS-341990	9	x	x	x
27	Vibrator Lever Shaft	AS-328650	6	x	x	x
28	Bushing	AS-304845	2	x	x	x
29	Vibrator Sprocket Bushing	AS-301018	20	x	x	x
30	Vibrator Sprocket	AS-352308	8	x	x	x
31	Inker Gear Shaft Bushing	AS-304852	2	x	x	x
32	Vibrator Drive Sprocket	AS-352306	2	x	x	x
33	Vibrator Drive Gear	AS-300992	2	x	x	x
34	Vibrator Drive Pinion	AS-301020	2	x	x	x
35	Vibrator Bracket Bushing	AS-304843	2	x	x	x
36	Bushing	AS-304842	2	x	x	x
37	Water Vibrator Eccentric	AS-376906	2	x	x	x
38	Crank Arm Eccentric	AS-341984	4	x	x	x
39	Ink Vibrator Eccentric	AS-301007	2	x	x	x
40	Ink Vibrator Adjusting Eccentric	AS-301004	2	x	x	x
41	Vibrator Link U.	AS-328481	1	x	x	x
42	Vibrator Link L.	AS-328479	1	x	x	x
43	Water Vibrator Link U.	AS-328495	1	x	x	x
44	Water Vibrator Link L.	AS-328629	1	x	x	x
45	Vibrator Sprocket	AS-352307	2	x	x	x
46	Chain U.	AS-301741/455097	1	x	x	x
47	Chain L.	AS-301742/455098	1	x	x	x
48	Vibrator Link Pin	AS-328469	3	x	x	x
49	Vibrator Lever Pair U.	AS-301016*	1	x	x	x
50	Idler shaft, long	AS-455289	3	x	x	x
	Idler shaft, long (expandable)	AS-455289-1**	3	x	x	x



M-1000A Compound Vibrator Gear Assembly

Item	Description	Catalog No.	Qty. Per Unit	M-1000 Series		
				M-1000	M-1000A	M-1000AI
A	Shaft & Eccentric	AS-379085**	2		x	
B	Bearing	AS-75387	4		x	
C	Compound Gear U.	AS-373450	1		x	
D	Compound Gear L.	AS-373447	1		x	
E	Spacer	AS-373443	2		x	
F	Compound Gear	AS-454703*	1			x
G	Intermediate Gear	AS-454702*	1			x

* Not Shown
** Includes AS-373442 Eccentric & AS-373444 Shaft

* Not shown
** Expandable studs used for worn holes