

# CATALOGUE

of

## PARTS

of the

# MIEHLE VERTICAL PRESS

This Spare Parts Catalogue is intended to cover both the American built V-50 and the British built machine. Although there are certain minor differences between the machines there should be no difficulty in identifying the parts required for either press.

**MIEHLE PRINTING PRESS & MANUFACTURING CO., LTD.**

2-3 Salisbury Court, Fleet Street, London E.C.4

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# PREFACE

THIS CATALOG has been designed to simplify and expedite the ordering of parts for the V-50 Vertical Press.

The illustration and lists identify all parts, including commercial parts, in the assemblies that make up this press.

Parts on each illustration are identified by index numbers. These index numbers are listed numerically on the parts list accompanying each illustration and are prefixed with two letters to identify them with the illustration to which they refer. FOR EXAMPLE: Under the heading "Index No." will appear the listing "VA-1" indicating that the part listed will be found on Illustration No. VA, index number 1, the numeral calling out the part on the illustration. A description of the part is included in a separate column.

**NOTE:** *DO NOT use index numbers to order parts. When ordering parts be sure to include BOTH the part number and the description of the item.*

In the "Description" column, all parts that line up in the regular column are *primary* parts. Parts

that are indented and preceded by one dot are secondary parts and those parts that are indented and preceded by two dots are tertiary parts (See "Example of Parts Listing System"). These secondary and tertiary parts are assembled to the primary part under which they are indented and will be shipped with the primary part when that part is ordered. This is done both to insure proper fit and because when primary parts have been worn or damaged enough to require replacement, it is ordinarily desirable or necessary to replace secondary and tertiary parts. However, secondary and/or tertiary parts may be ordered separately, except in rare cases where it is necessary to proper operation that these parts be factory-fitted to primary parts. All parts listed in italic type will be sold *only with parts to which they are attached. They will not be sold separately.*

Included at the back of this catalog is a classified list with part numbers listed in numerical sequence. Each part number is followed by an index number (or numbers), enabling the user to locate both the illustration of the part in the figure in which it appears, and its description in the accompanying parts list.

## EXAMPLE OF PARTS LISTING SYSTEM

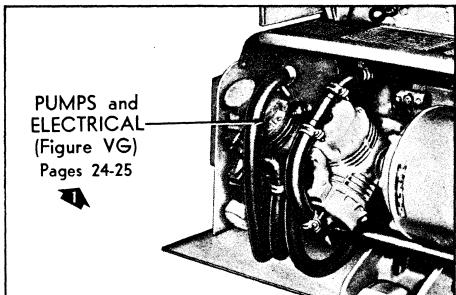
PRIMARY PART.....	Rod, Sep Fr Con
Secondary Part.....	Lever, Separator Frame
Tertiary Part.....	Screw, Collar No. 793—A75

**Always be sure to give serial number of PRESS when ordering parts.**

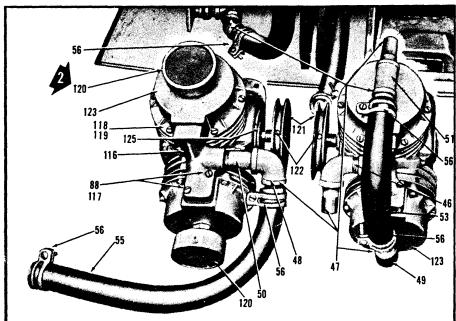
## HOW TO IDENTIFY AND ORDER A PART

To identify and order a required part, proceed according to the following directions:

- Locate the *figure number* of the assembly illustration in which the required part occurs by referring to the "Index of Assemblies" illustrations on page 3 of this catalog.



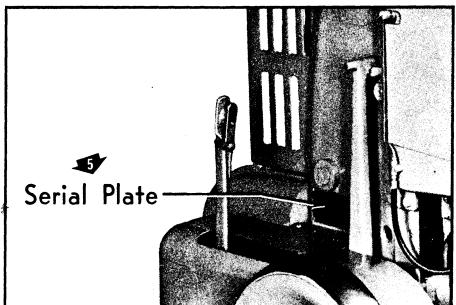
- Locate the required part in the *assembly illustration* and note the *index number* for that part.



- Locate that *index number* in the first column of the parts list accompanying the illustration. (The prefix letters preceding the index number identify the illustration in which the part is shown.)
- Copy the *part number, name and description* as given in the second and third columns for the required part index number.

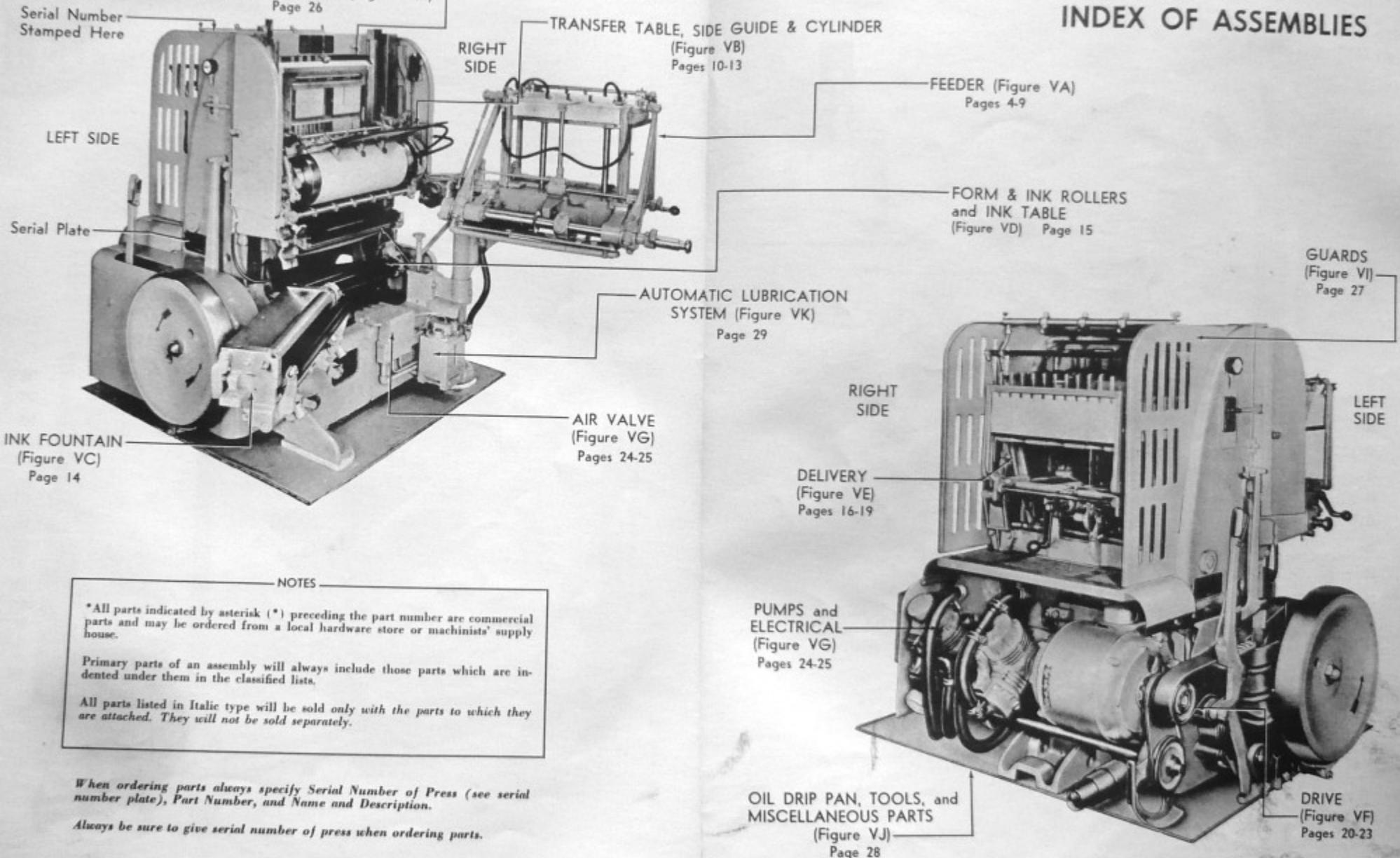
VG-114	22752	Nipple, Valve Hose
VG-115	*H-36650	Washer, Lock 5/16 x 1
VG-116	20256	Chamber, Manifold
VG-117	*H-36643	Washer, Lock 1/4 x 1/
VG-118	P-8749	Screw, Air Dome
VG-119	*H-36643	Washer, Lock 1/4 x 3/
VG-120	20271	Muffler
VG-121	P-84720	Check, Pump
VG-122	P-8469	Screw, Sq Hd Set 3/8 x
VG-123	20314	Pump, Air
VG-124	P-4420	Plug, Body without Ho
VG-125	P-4419	Plug, Body with Hole
VG-126	20265	Dome, Air
VG-127	P-8446	Gasket, Rubber Inlet P
VG-128	P-8425	Gasket, Fibre Inlet Pip
VG-129	20272	Manifold

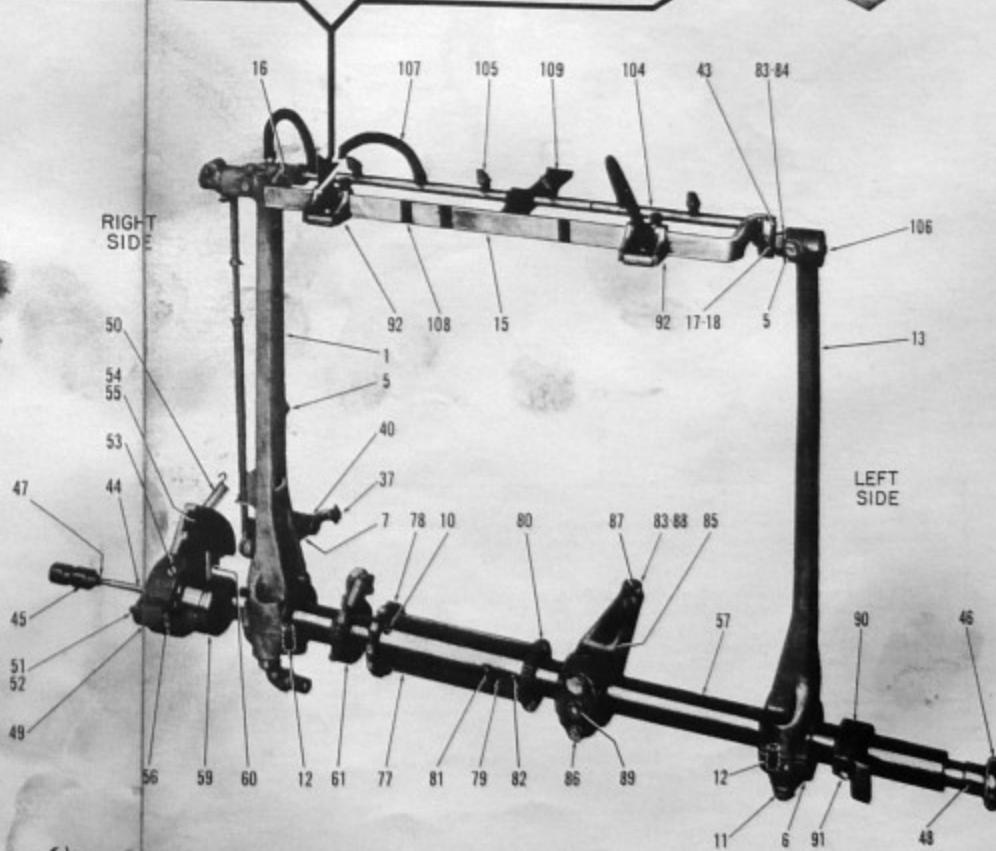
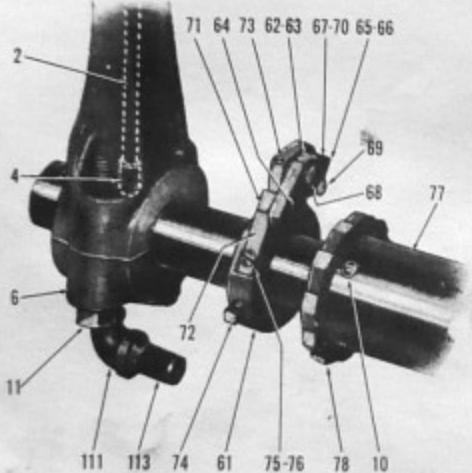
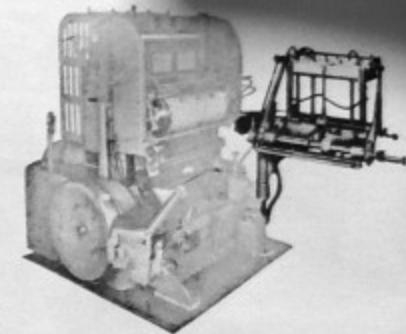
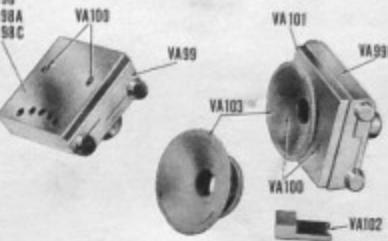
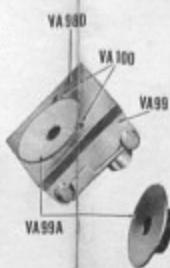
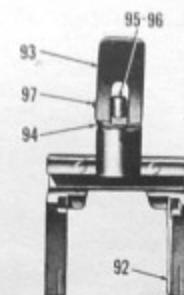
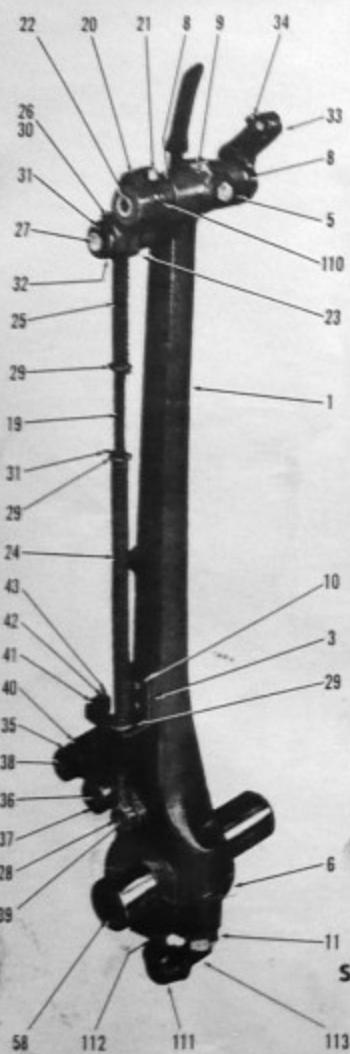
- Copy the serial number of the press as given on the serial number plate located above the fly wheel on the press frame.
- Order part by specifying *Part Number, Name and Description* of the press for which the part is required.



"Please ship one 20271,  
Muffler, Serial No. of Press 000000."

# INDEX OF ASSEMBLIES





When ordering parts always specify  
Serial Number of press (see name plate),  
Part Number, and Name & Description

**FIGURE VA**  
(Figure VA continued on page 6)

# PARTS LIST FOR FEEDER

(See Figure VA)

Figure and Index No.	Part Number	Name and Description
	1 2 3	
VA-1	23084	Arm, Feeder - Rt
VA-2	21905	Tube, Feeder Arm Air
VA-3	22839	Guide, Sep Fr Con Rod
VA-4	21890	Bushing, Air Tube
VA-5	22438	Stud, Stop
VA-6	22026	Cap, Feeder Arm
VA-7	*OA-529-5	Bearing, Oilite .376 x .5025 x 1-1/8
VA-8	*OA-864	Bearing, Oilite .626 x .816 x 1
VA-9	*H-75135	Plug, Slotted Pipe 1/8 x 1/4
VA-10	*H-50855	Screw, Rd Hd Mach 10-24 x 3/8
VA-11	*H-34865	Screw, Hex Hd Cap 5/8-11 x 2-3/4
VA-12	DP-115	Pin, Dowel 3/8 x 1-1/8
VA-13	23088	Arm, Feeder - Lt
VA-5	22438	Stud, Stop
VA-6	20226	Cap, Feeder Arm
VA-11	*H-34865	Screw, Hex Hd Cap 5/8-11 x 2-3/4
VA-12	DP-115	Pin, Dowel 3/8 x 1-1/8
VA-14		Part Not Listed
VA-15	23089	Frame, Separator
VA-16	22369	Stud, Separator Frame
VA-17	21636	Washer, Sep Fr Thrust
VA-18	*OA-316-5	Bearing, Oilite .3765 x .5655 x 3/8
VA-19	21664	Rod, Sep Fr Con
VA-20	21662	Lever, Separator Frame
VA-21	4076	Screw, Collar #793 - A75
VA-22	*OA-604-8	Bearing, Oilite .5015 x .6265 x 21/64
VA-23	21665	Block, Sep Fr Con Swivel
VA-24	21716	Spring, Con Rod, Lower
VA-25	22840	Spring, Connecting Rod
VA-26	CR-201	Collar, Set 5/16 x 1/2 x 1/4
VA-27	21663	Stud, Con Rod Swivel
VA-28	*OA-532-4	Bearing, Oilite .3765 x .5025 x 5/16
VA-29	WR-24	Washer, Finished 5/16 x 5/8 x 3/32
VA-30	TP-119	Pin, Taper #80 x 9/16
VA-31	*H-34548	Pin, Cotter 3/32 x 5/8
VA-32	WR-54	Washer, Finished 1/2 x 15/16 x 1/8
VA-33	21667	Sleeve, Sep Fr Vacuum
VA-34	*H-46287	Screw, Hex Sce Hd Cap 1/4-20 x 1/2
VA-35	21352	Lever, Separator Frame Cam
VA-36	21353	Stud, Sep Fr Cam Roller
VA-37	*MRC-39F	Bearing, Ball
VA-38	22885	Pin, Sep Fr Cam Lever
VA-39	22884	Stud, Sep Fr Con Rod

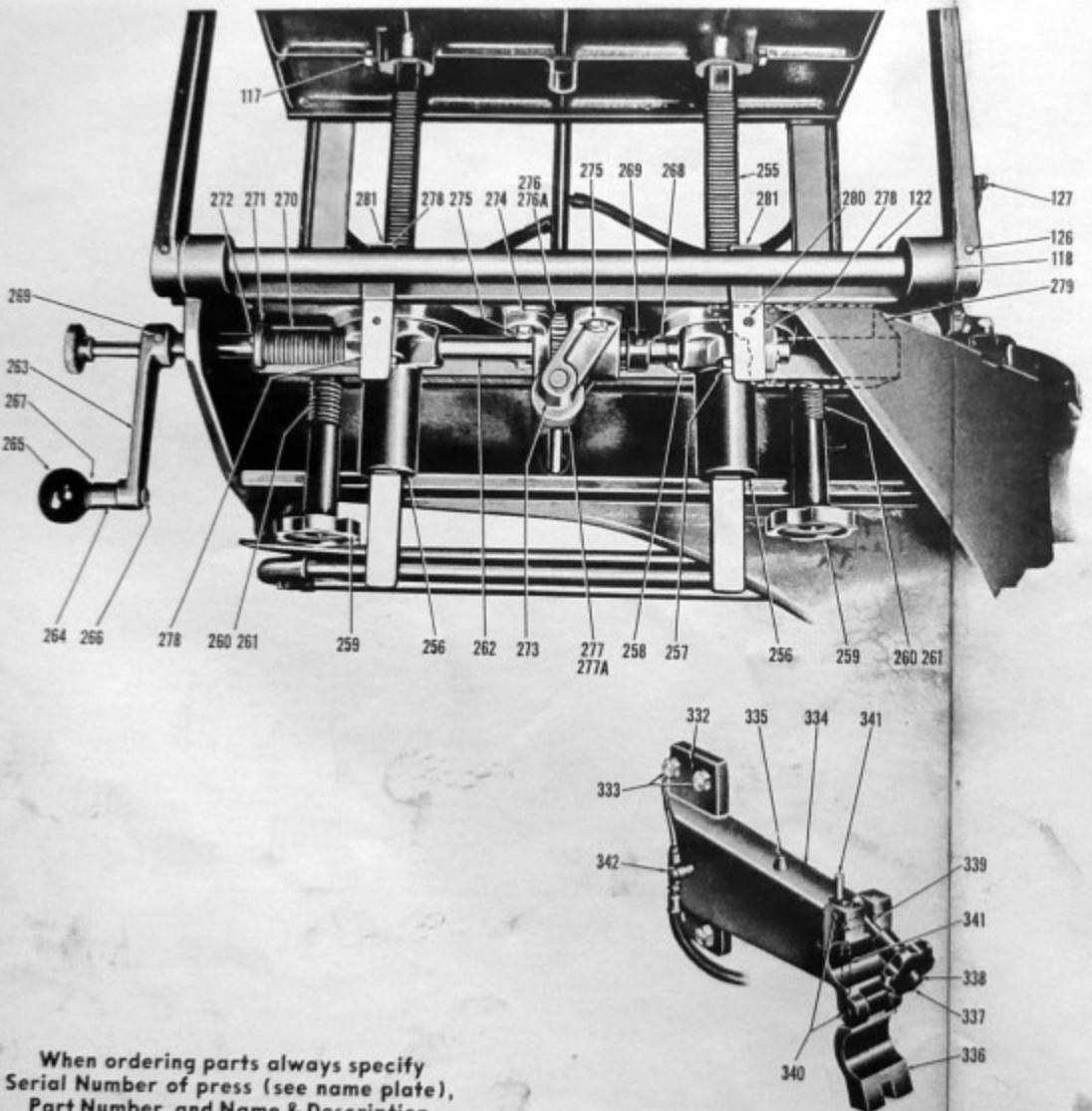
Figure and Index No.	Part Number	Name and Description
	1 2 3	
VA-40	TP-102	Pin, Taper #8 x 1
VA-41	22886	Lever, Feeder Pile Regulating
VA-42	*H-35008	- Nut, Hex 10-24
VA-43	*H-47900	- Screw, Fil Hd Mach 10-24 x 3/4
VA-44	22476	Rod, Control Valve
VA-45	22475	Valve, Air
VA-46	22477	Handle, Air Valve
VA-47	TP-108	Pin, Taper #8 x 5/8
VA-48	TP-100	Pin, Taper #8 x 1-1/4
VA-49	23184	Cam, Sep Fr (paper feed)
VA-50	22214	Spring, Sep Fr Cam
VA-51	22865	Pin, Cam Driving
VA-52	22866	Spring, Cam Driving Pin
VA-53	29362	Stud, Cam Retaining
VA-54	H-50861	Screw, Rd Hd Mach 1/4-20 x 1/2 Spi 3/8 Thd
VA-55	WR-13	Washer, Finished 1/4 x 5/8 x 1/16
VA-56	*H-34598	Pin, Cotter 1/8 x 3/8
VA-49A	23185	Cam, Sep Fr (cardboard feed)
VA-50	22214	Spring, Sep Fr Cam
VA-51	22865	Pin, Cam Driving
VA-52	22866	Spring, Cam Driving Pin
VA-53	29362	Stud, Cam Retaining
VA-54	H-50861	Screw, Rd Hd Mach 1/4-20 x 1/2 Spi 3/8 Thd
VA-55	WR-13	Washer, Finished 1/4 x 5/8 x 1/16
VA-56	*H-34598	Pin, Cotter 1/8 x 3/8
VA-57	23289	Shaft, Feeder Arm
VA-58	22680	Bushing, Feeder Arm Shaft
VA-59	23705	Collar, Shaft Clutch
VA-60	TP-51	Pin, Taper #8 x 2-1/2
VA-61	22328	Lever, Feeder Ratchet
VA-62	21814	Pawl, Feeder Ratchet
VA-63	*OA-401-2	Bearing, Oilite .3135 x .4395 x 3/8
VA-64	DP-32	Pin, Dowel 1/8 x 7/8
VA-65	21791	Lever, Ratchet Snap
VA-66	*OA-203-1	Bearing, Oilite .220 x .2705 x 3/16
VA-67	21793	Stud, Ratchet Pawl Spring
VA-68	22893	Stud, Ratchet Pawl
VA-69	22331	Stud, Ratchet Stop Lever
VA-70	21792	Spring, Ratchet Stop Lever
VA-71	21794	Spring, Pawl, Lower Ldof
VA-72	21813	Spring, Pawl, Top Ldof
VA-73	*H-51700	Screw, Slotted Set 1/4-20 x 1/4
VA-74	*H-56892	Screw, Sq Hd Set 5/16-18 x 7/8

Figure and Index No.	Part Number	Name and Description
	1 2 3	
VA-75	*H-51339	Screw, Rd Hd Mach 10-32 x 3/8
VA-76	*H-36438	Washer, Lock 10 x 1 1/16 x 3/64
VA-77	22767	Sleeve, Feeder Ratchet
VA-79	22373	Ratchet, Feeder
VA-80	22768	Spring, Ratchet Sleeve
VA-81	22769	Screw, Rd Hd Mach 10-24 x 3/8
VA-82	*H-50445	Gear, Ratchet Bevel
VA-83	*H-67318	Screw, Rd Hd Mach 10-24 x 1/4
VA-84	*H-33380	Bolt, Steel 1/4
VA-85	*H-34548	Nut, Hex Jam 1/2-13
VA-86	23152	Pin, Cotter 3/32 x 5/8
VA-87	*H-43550	Lever, Feeder Arm Stop
VA-88	*H-52162	Screw, Slotted Set 1/2-13 x 2-1/2
VA-89	*H-35380	Nut, Hex Jam 1/2-13
VA-90	D.P.-114	Washer, Lock 1/2 x 11/64 x 1/16
VA-91	*H-57082	Lock, Feeder Arm
VA-92	22778	Screw, Sq Hd Set 3/8-16 x 3/4
VA-93	21770	Holder, Feeder Shoe
VA-94	21749	Lever, Latch
VA-95	21768	Washer, Latch
VA-96	22785	Latch, Shoe Holder
VA-97	D.P.-15	Spring, Latch
VA-98	22780	Pin, Dowel 3/32 x 1/2
VA-99	23801	Sole, Separate 1-A
VA-100	*H-49205	Sole, Feeder
VA-101	22781	Screw, Flat Hd Mach 6-32 x 7/16
VA-102	23801	Sole, Separate 2-A
VA-103	*H-49205	Sole, Feeder
VA-104	23801	Screw, Flat Hd Mach 6-32 x 7/16
VA-105	*H-49205	Sole, Separate 4-A
VA-106	22349	Sole, Feeder
VA-107	22258	Screw, Flat Hd Mach 6-32 x 7/16
VA-108	22444	Sole, Feeder
VA-109	23802	Guard, Sheet
VA-110	T.P.-81A	Guard, Feeder Paper
VA-111	*H-76707	Pin, Taper
VA-112	*H-35305	Elbow, Reducing 3/8 x 1/4
VA-113	22752	Nipple, Short 1/4
	X-C5-1026	Nipple, Valve Hose
		Rubber, Duct Med Section (cardboard feed)
		Tube, Separator Frame
		Eraser, Pencil
		Shad, Separator Frame Lock
		Tube, Air
		Guard, Sheet
		Guard, Feeder Paper
		Pin, Taper
		Elbow, Reducing 3/8 x 1/4
		Nipple, Short 1/4
		Nipple, Valve Hose

\*All parts indicated by asterisk (\*) preceding the part number are commercial parts and may be ordered from a local hardware store or machinists' supply house.  
 Primary parts of an assembly will always include those parts which are indented under them in the classified lists.  
 All parts listed in italic type will be sold only with the parts to which they are attached. They will not be sold separately.

Always be sure to give serial number of press when ordering parts.





When ordering parts always specify  
Serial Number of press (see name plate),  
Part Number, and Name & Description

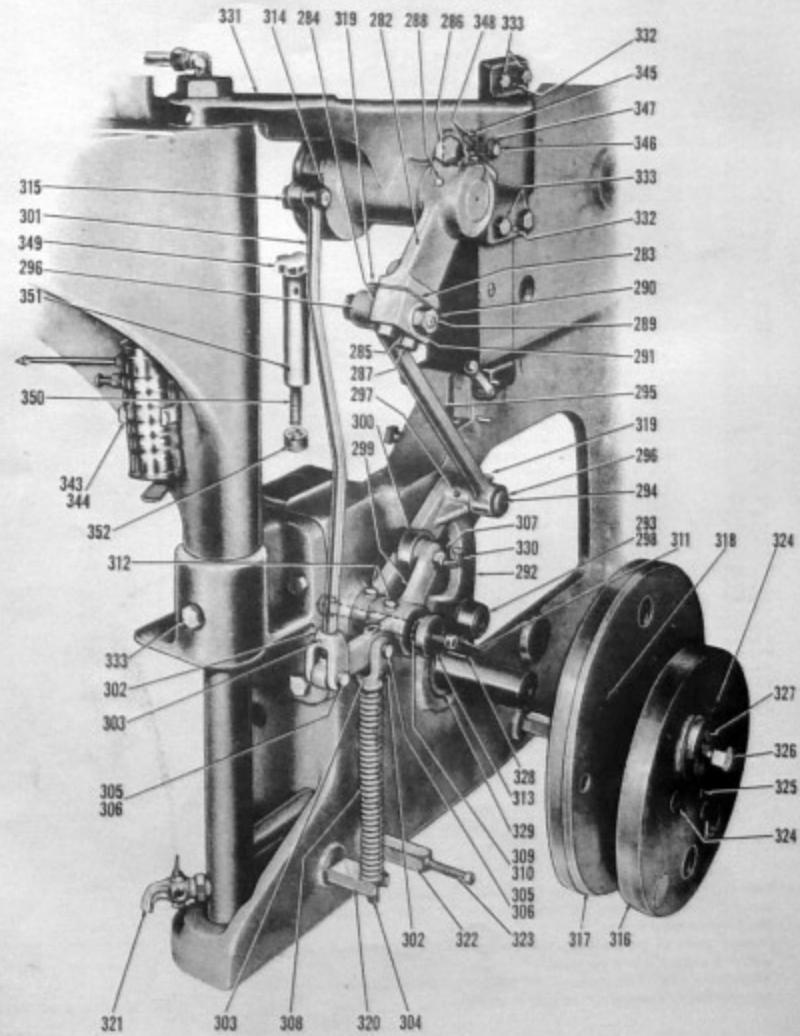
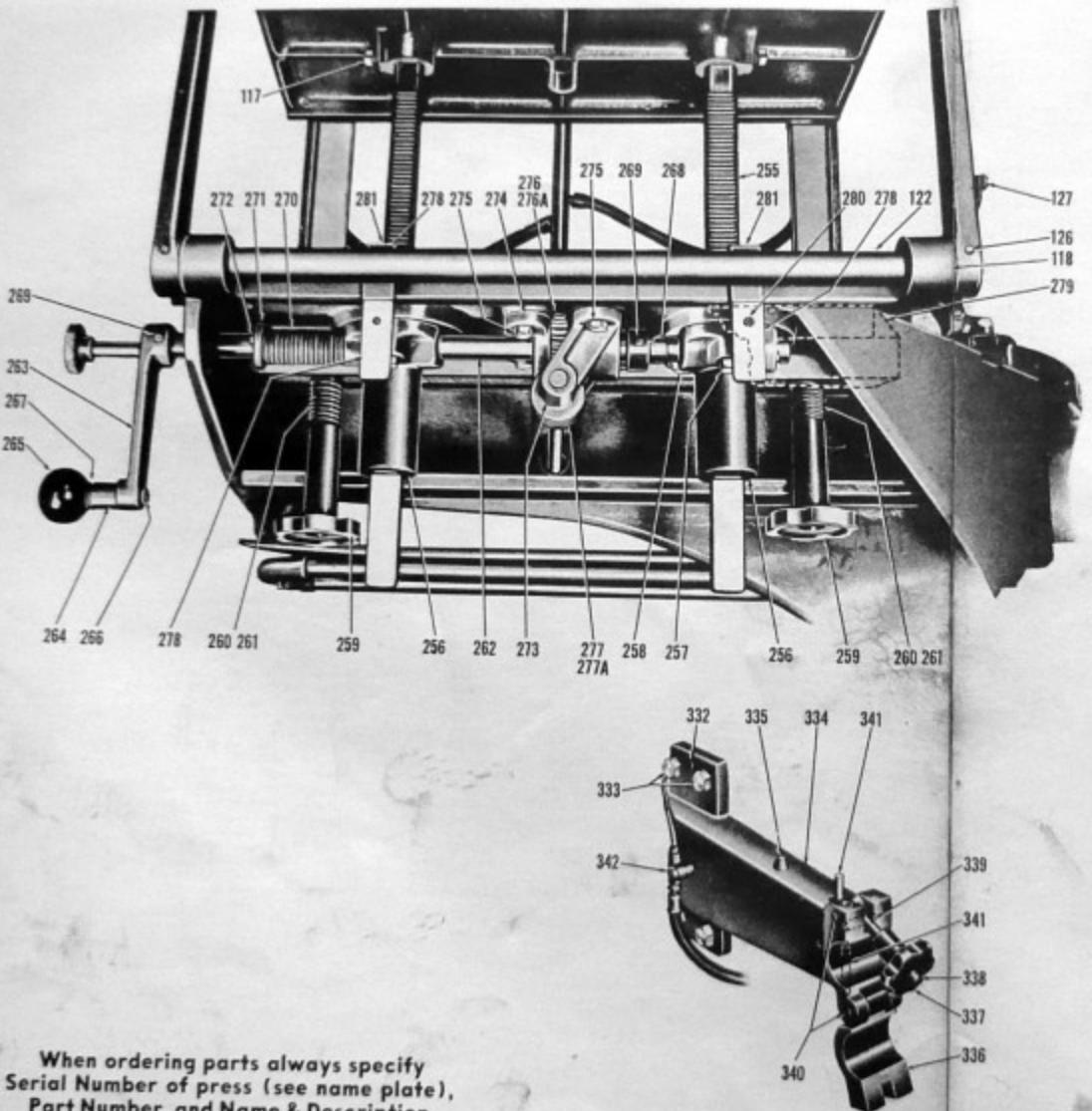


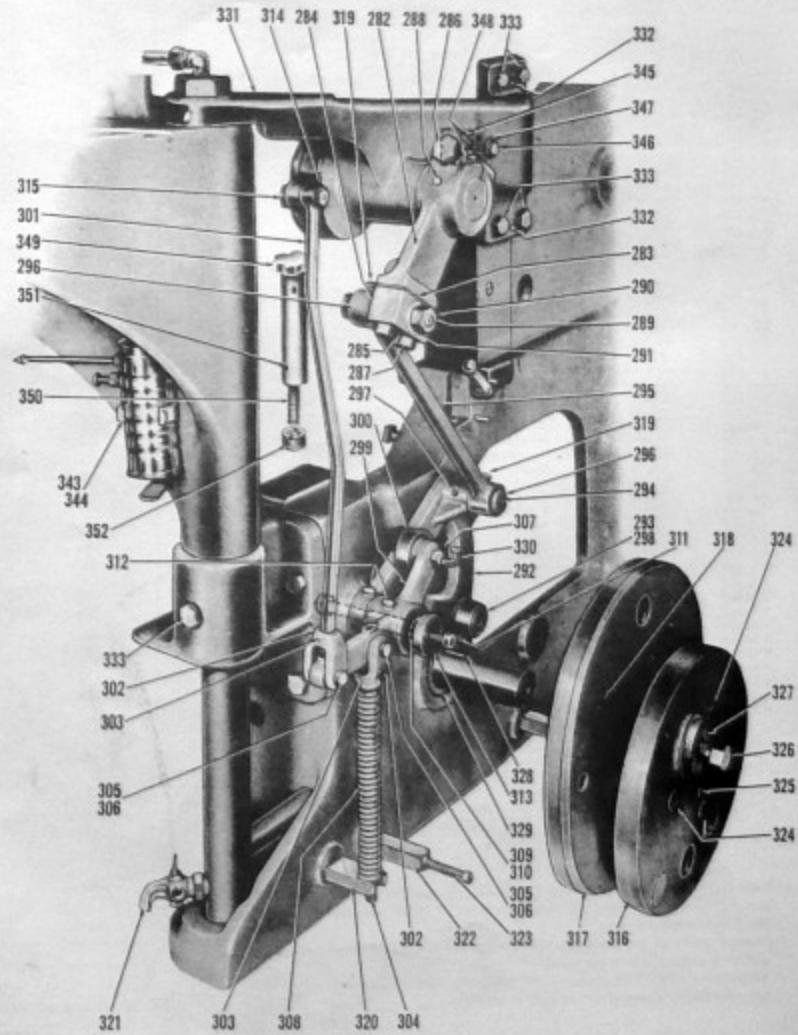
FIGURE VA—Continued





When ordering parts always specify  
Serial Number of press (see name plate),  
Part Number, and Name & Description

FIGURE VA—Continued



# PARTS LIST FOR FEEDER, Continued

(See Figure VA)

Figure and  
Index No.      Part  
Number      Name and Description

	1	2	3
VA-255	23489	Rock, Feeder Table	
VA-256	22851	Guide, Feeder Pile Rock	
VA-257	*H-43280	Screw, Hex Hd Cap 3/8-16 x 1-3/4	
VA-258	*H-43245	Screw, Hex Hd Cap 3/8-16 x 1	
VA-259	22774	Wheel, Table Guide Hand	
VA-260	22808	Spring, Side Guide Shifting	
VA-261	WR-36	Washer, Finished 3/8 x 1-3/32 x 1/8	
VA-262	22902	Shaft, Worm Gear	
VA-263	22679	Crank, Pile Adjusting	
VA-264	20303	- Stud, Adj Crank Handle	
VA-265	H-68154	- Handle, Ball MF2260	
VA-266	WR-21	- Washer, Finished 5/16 x 1-2 x 1/16	
VA-267	H-36764	- Washer, Lock 3/8 x 1/8 x 3/32	
VA-268	22676	- Collet, Pile Adj Clutch	
VA-269	TP-80	- Pin, Cam Lever 1/2 x 1-3/8	
VA-270	22906	Spring, Worm Gear Shaft	
VA-271	WR-78	Washer, Finished 3/4 x 1-3/8 x 3/16	
VA-272	*H-34614	Pin, Cotter 1/8 x 1	
VA-273	22853	Bearing, Worm Shaft	
VA-274	22854	Bearing, Worm Gear	
VA-275	*H-43100	Screw, Hex Hd Cap 5/16-18 x 1	
VA-276	22983	Gear, Pile Adj Worm (paper feed)	
VA-278A	21387	Gear, Pile Adj Worm (cardboard feed)	
VA-277	22984	Worm, Pile Adj (paper feed)	
VA-277A	21388	Worm, Pile Adj (cardboard feed)	
VA-278	21393	Bracket, Tool Box	
VA-279	21394	Box, Tool	
VA-280	*H-48070	Screw, Fil Hd Mech 1/4-20 x 3/8	
VA-281	*H-49645	Screw, Flat Hd Mech 1/4-20 x 5/8	
VA-282	22146	Lever, Feeder Arm	
VA-283	22728	- Shim, Connecting Rod	
VA-284	22732	- Block, Connecting Rod	
VA-285	DP-80	- Pin, Dowel 1/4 x 1-5/8	
VA-286	*H-43845	Screw, Hex Hd Cap 5/8-11 x 2-1/4	

Figure and  
Index No.      Part  
Number      Name and Description

	1	2	3
VA-287	*H-43535	Screw, Hex Hd Cap 1/2-13 x 2-1/4	
VA-288	TP-51	Pin, Taper #5 x 2-1/2	
VA-289	22727	Stud, Connecting Rod, Upper	
VA-290	*H-35080	Nut, Hex 1/2-13	
VA-291	WR-56	Washer, Finished 1/2 x 1-1/8 x 1/8	
VA-292	23172	Lever, Feeder Cam	
VA-293	23986	- Roller, Feeder Cam	
VA-294	22877	- Stud, Feeder Cam Rod	
VA-295	23674	- Rod, Feeder Connecting	
VA-296	*OA-814	- Bearing, Oilite .628 x .8155 x 1	
VA-297	TP-85	- Pin, Taper #2 x 1-3/8	
VA-298	*H-35560	- Nut, Hex Jam 1/2-20	
VA-299	23993	Lever, Shift Cam	
VA-300	23987	- Roller, Shift Cam	
VA-301	23988	- Rod, Cam Lever Connecting	
VA-302	23989	- Fork, Connecting Rod	
VA-303	TP-116	- Pin, Taper #10 x 7/8	
VA-304	23990	- Rod, Cam Lever Spring	
VA-302	23989	- Fork, Connecting Rod	
VA-303	TP-116	- Pin, Taper #10 x 7/8	
VA-305	23994	- Pin, Cam Lever	
VA-306	*H-34552	- Pin, Cotter 3/32 x 3/4	
VA-307	*H-35246	- Nut, Hex 3/8-24	
VA-308	22480	Spring, Cam Lever	
VA-309	21817	Stud, Feeder Cam Lever	
VA-310	*H-35094	Nut, Hex 5/8-11	
VA-311	*H-46353	Screw, Hex Soc Cap 3/8-16 x 2-1/4	
VA-312	*G-402	Cover, Oil Hole, Gits Bros. Style E	
VA-313	21820	Spacer, Cam Lever Stud	
VA-314	22879	Stud, Cam Lever Cam Rod	
VA-315	*H-35066	Nut, Hex 3/8-16	
VA-316	21015	Cam, Delivery Arm Drive	
VA-317	23068	Cam, Feeder	
VA-318	*H-54193	- Screw, Hex Soc Set 3/8-16 x 1/2	

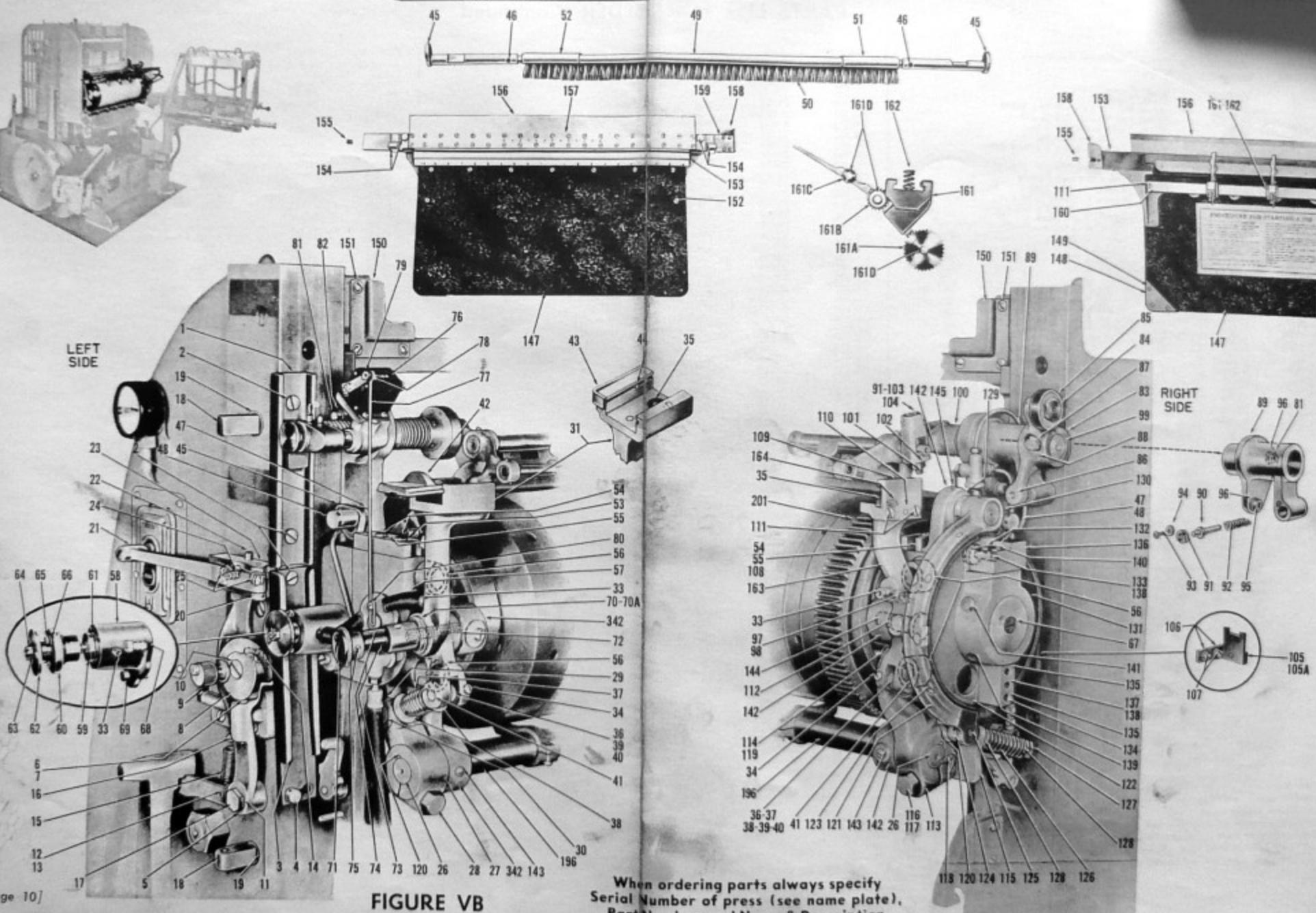
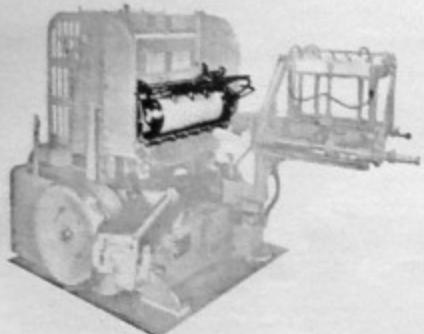
Figure and  
Index No.      Part  
Number      Name and Description

	1	2	3
VA-319	*G-302	Cover, Oil Hole, Gits Bros. Style R	
VA-320	23991	Bolt, Spring Red Eye	
VA-321	*IMP-44E	Cock, Drain, Imperial Brass 1/2 PT 1/2 OP 44E	
VA-322	21821	Stud, Cam Guard	
VA-323	*H-46352	Screw, Hex Soc Cap 3/8-16 x 2	
VA-324	*H-46446	Pin, Dowel 1/2 x 1-3/4	
VA-325	DP-141	Screw, Hex Hd Cap 3/8-11 x 1-1/4	
VA-326	*H-44010	Washer, Finished 3/4 x 2-1/8 x 5/16	
VA-327	WR-83	Key, Woodruff 1-1/4 x 3/8	
VA-328	K-E	Bearing, Oilite 1.942 x 2.4415 x 2-3/4	
VA-329	*OA-2403	Cup, Oil Gits Bros. Style L 10-32 Thd	
VA-330	*G-1201	Bracket, Feeder Shaft - Rt	
VA-331	21011	- Pin, Dowel 3/8 x 1	
VA-332	DP-114	Screw, Hex Hd Cap 1/2-13 x 1-1/4	
VA-333	*H-43495	Bracket, Feeder Shaft - Lt	
VA-334	22076	- Pin, Cylinder Guard Lock	
VA-335	21622	- Cap, Feeder Shaft Bracket	
VA-336	22856	- Wheel, Feeder Platform Lock	
VA-337	22857	- Screw, Feeder Platform Lock	
VA-338	22858	- Pin, Dowel 3/8 x 1	
VA-339	DP-118	- Pin, Dowel 3/8 x 1-1/2	
VA-340	DP-123	- Pin, Dowel 3/8 x 2-1/4	
VA-341	DP-105	- Pin, Dowel 5/16 x 2-1/2	
VA-342	*H-42975	Screw, Hex Hd Cap 1/2-20 x 1	
VA-343	*H-67994	Holder, Oil Can	
VA-344	*H-65099	Screw, Parker Drive 7 x 3/8	
VA-345	23844	Stop, Cylinder - Lower	
VA-346	*H-44869	Screw, Hex Hd Cap 3/16-24 x 2-1/4	
VA-347	*H-34758	Washer, Lock 5/16 x 1/8 x 1/16	
VA-348	DP-78	Pin, Dowel 1/4 x 1-3/8	
VA-349	22662	Wheel, Fountain Lock Hand	
VA-350	22663	- Screw, Fountain Lock	
VA-351	TP-87	- Pin, Taper #2 x 1	
VA-352	21781	Bushing, Fountain Lock Screw	

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Always be sure to give serial number of press when ordering parts.

**TRANSFER TABLE, SIDE GUIDE  
and CYLINDER**

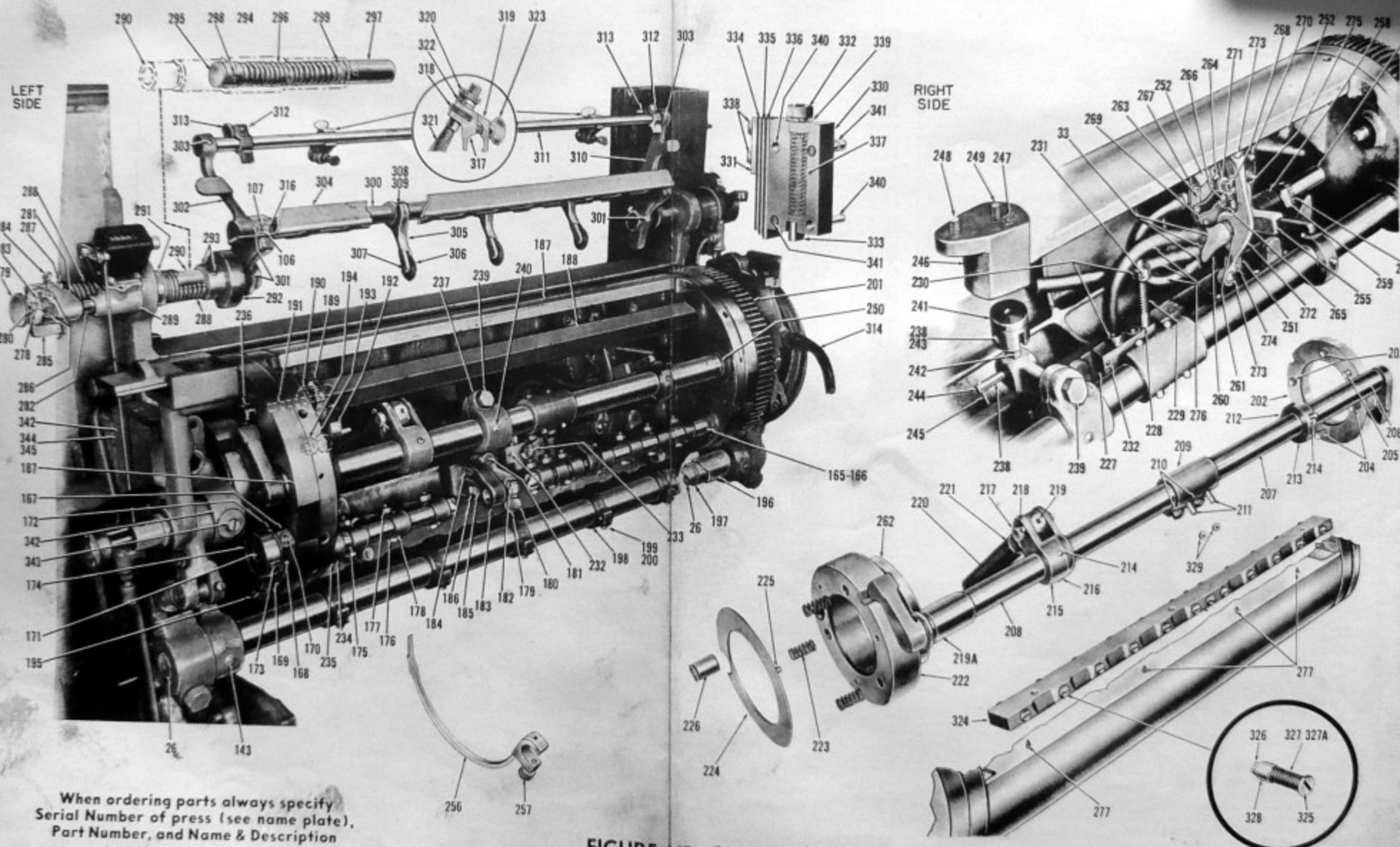


**FIGURE VB**

(Figure VB continued on page 12)



**TRANSFER TABLE, SIDE GUIDE  
and CYLINDER continued**



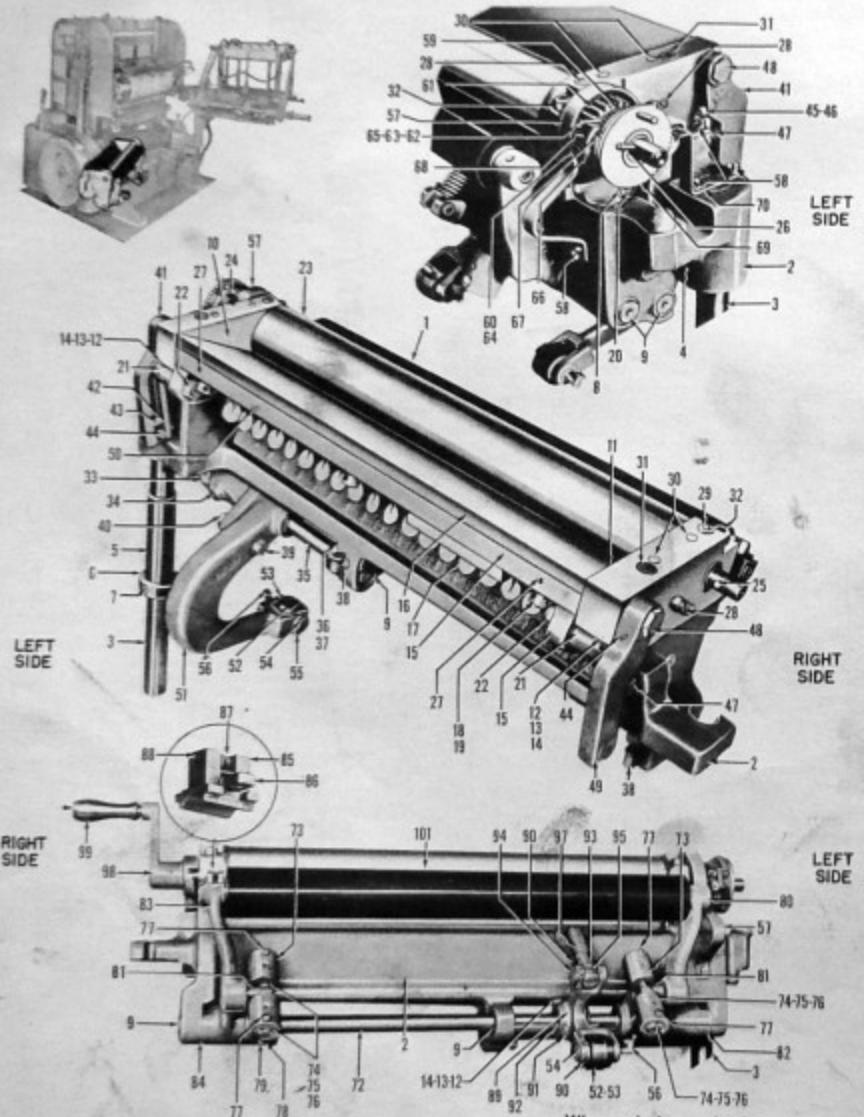
**FIGURE VB—Continued**



# INK FOUNTAIN

## PARTS LIST FOR INK FOUNTAIN

(See Figure VC)



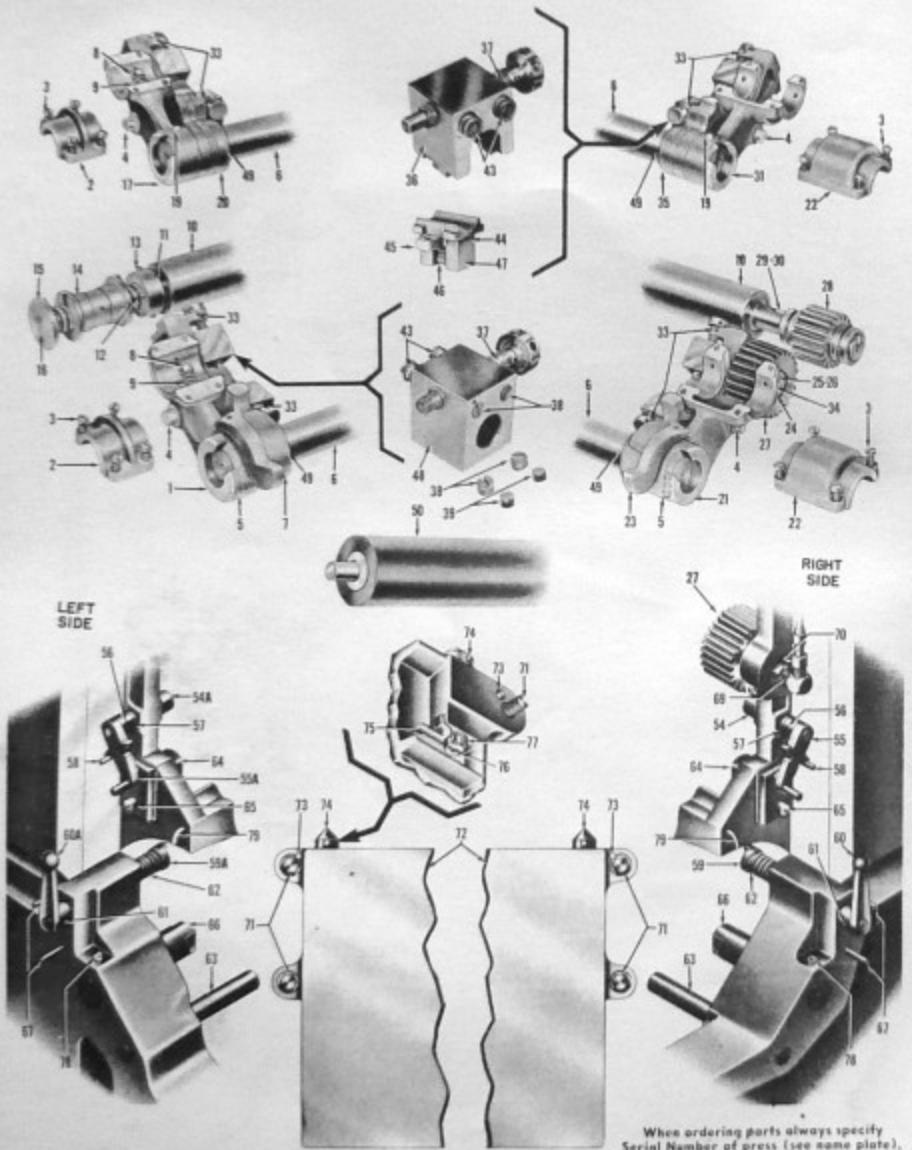
When ordering parts always specify  
Serial Number of press (see name plate),  
Part Number, and Name & Description

**FIGURE VC**

Figure and Index No.	Part Number	Name and Description	Figure and Index No.	Part Number	Name and Description
		1 2 3			1 2 3
VC-1	A-21021	Fountain, Ink - Complete	VC-47	21557	Spring, Fountain Latch
VC-2	21021	Frame, Fountain	VC-48	29467	Stud, Fountain Latch
VC-3	22637	- Post, Fountain	VC-49	21508	Latch, Fountain - Rt
VC-4	TP-51	Swivel	VC-42	21555	- Stop, Fountain Latch
VC-5	22460	- Pin, Taper #5	VC-43	21556	Washer, Lock Stud Stop
VC-6	CR-145	x 2½	VC-44	*H-42960	Screw, Head Hd Cap
VC-7	*H-54173	Sleeve, Fountain Post	VC-45	*H-48070	1/4-20 x 5/8
		Collar, Set 1-1/8 x 1-7/8 x 5/8	VC-46	*H-36644	1/4-20 x 3/8
		- Screw, Hex Sec	VC-47	21557	Washer, Lock
		Set Sleeve, x 5/16	VC-48	29467	Spring, Fountain Latch
			VC-50	*H-34054	Stud, Fountain Latch
VC-1	A-21021	Fountain, Ink - Complete	VC-51	21843	5/16-18 x 5/16
VC-2	21021	Frame, Fountain	VC-52	21840	Lever, Fountain Lever
VC-3	22637	- Post, Fountain	VC-53	*OS-700-2	Roller, Cam Lever
VC-4	TP-51	Swivel	VC-54	21841	- Bearing, Oilite
VC-5	22460	- Pin, Taper #5	VC-55	*H-34618	Pin, Cam Roller
VC-6	CR-145	x 2½	VC-56	*G-1204	Cup, Oil, Gits Bros. Style L
VC-7	*H-54173	Sleeve, Fountain Post	VC-57	21554	Guard, Fountain Segment
VC-8	*OA-852	Collar, Set 1-1/8 x 1-7/8 x 5/8	VC-58	*H-48065	Screw, Fil Hd Mech
VC-9	*OA-1003	- Screw, Hex Sec	VC-59	22664	1/4-20 x 5/16
VC-10	21512	Set 3/8-16x5/16	VC-60	22666	Ratchet, Fountain
VC-11	21513	Bearing, Oilite-.5255	VC-61	22665	Crank, Fountain Ratchet
VC-12	22438	x .8155 x 1¼	VC-62	22669	Gear, Fountain Ratchet
VC-13	21302	x 1.002 x 7/8	VC-63	23582	Spring, Fountain Pawl
VC-14	21964	Box, Fountain - Lt	VC-64	*H-47875	Pawl, Spring
VC-15	21022	Box, Fountain - Rt	VC-65	*H-50407	Screw, Fil Hd Mech
VC-16	20394	Stud, Stop	VC-66	22667	10-24 x 3/8
VC-17	22633	Shim, Stop Stud .002	VC-67	23540	Screw, Rd Hd Mech
VC-18	21331	Shim, Stop Stud .010	VC-68	DP-32	4-16 x 3/16
VC-19	WR-33	Frame, Fountain Blade	VC-69	22670	Pawl, Fountain
VC-20	21509	Blade, Fountain and Frame	VC-70	21515	Pin, Dowel 1/8 x 7/8
VC-21	21510	Screw, Fountain Blade Set	VC-71	A-21862	Wheel, Fountain Set
VC-22	4500	Screw, Strip	VC-72	21862	Spring, Fountain Set Wheel
VC-23	22630	Washer, Finished 3/8 x	VC-73	22793	Assembly, Ductor Shaft
VC-24	K-4	3/4 x 3/32	VC-74	22794	Shaft, Ductor
VC-25	DP-59	Stud, Blade Frame	VC-75	22796	Lever, Ductor Arm Spring
VC-26	DP-61	Pivot	VC-76	22797	Spring, Ductor Arm
VC-27	DP-43	Stud, Blade Frame	VC-77	*H-50645	Nut, Spring Adjusting
VC-28	*Z-1688	Locking	VC-78	*H-54180	Screw, Rd Hd Mech
VC-29	*H-69324	Nut, Hex	VC-79	TP-64	10-24 x 1/4
VC-30	DP-126	Roller, Fountain	VC-80	21175	Screw, Hex Soc Set
VC-31	*H-46355	Key, Woodruff 5/8x5/32	VC-81	22795	3/8-16 x 3/8
VC-32	*H-46354	Pin, Dowel 7/32 x 1	VC-82	*O-A-838-3	Pin, tapered x 1¼
VC-33	21133	Pin, Dowel 7/32 x 1½	VC-83	21174	Stud, Ductor Roller - Lt
VC-34	*H-54089	Fitting, Alemitre 45°	VC-84	22795	Bearing, Oilite .751
VC-35	23698	Cover, Oil Hole, Gits Bros. Style GB	VC-85	*H-838-6	Stud, Ductor Roller - Rt
VC-36	CR-123	Pin, Dowel 3/8 x 3	VC-86	22589	.751 x .751 x 7/8
VC-37	*H-54173	Screw, Hex Soc Cap	VC-87	22303	Key, Roller
VC-38	*G-1207	3/8-16 x 2½	VC-88	22590	Plate, Roller Key
VC-39	22581	Segment, Fountain	VC-89	23432	Spring, Key Plate
VC-40	*H-35066	Screw, Hex Soc Set	VC-90	21840	Pin, Key Spring
VC-41	21507	5/16-18 x 3/4	VC-91	*PS-700-2	Lever, Ductor Cam Roller
VC-42	21555	Shaft, Fountain Segment	VC-92	21841	Roller, Cam Lever
VC-43	21556	- Collar, Set 3/4 x	VC-93	*H-34614	- Bearing, Oilite
VC-44	*H-42960	1-3/8 x 5/8	VC-94	*H-54061	.5025 x .751
VC-45	*H-48070	- Screw, Hex Sec	VC-95	*OS-500	.5025 x .751 x 3/8
VC-46	*H-36644	Set 3/8-16 x 5/16	VC-96	22537	Spring, Cam Roller - Outside
		Cup, Oil, Gits Bros. Style L 1-8 P Thd	VC-97	22538	Spring, Cam Roller - Inside
		Belt, Segment Coupling	VC-98	20240	Crank, Fountain
		Hut, Hex 3/8-16	VC-99	22340	Handle, Swivel
		Stop, Fountain Latch	VC-100	22341	Stud, Swivel Handle
		Washer, Lock Stud Stop	VC-101	22586	Roller, Composition Covered
		Screw, Hex Hd Cap			
		1/4-20 x 5/8			
		Screw, Fil Hd Mech			
		1/4-20 x 3/8			
		Washer, Lock 1/4 x 3/32			
		x 3/64			

When ordering parts always specify serial number of press when ordering parts.

# PARTS LIST FOR FORM and INK ROLLERS, and INK TABLE (See Figure VD)

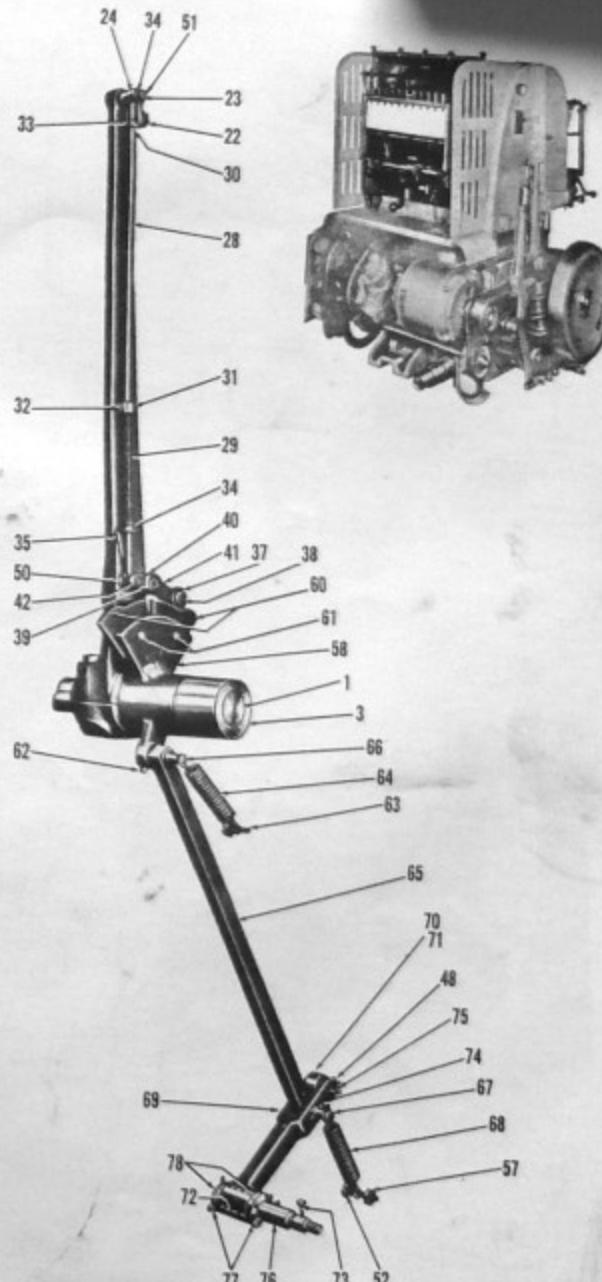
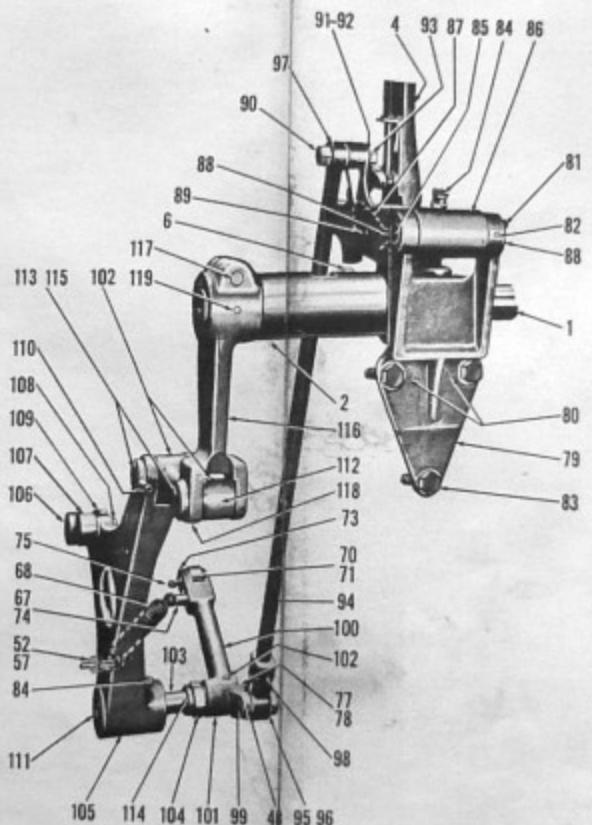
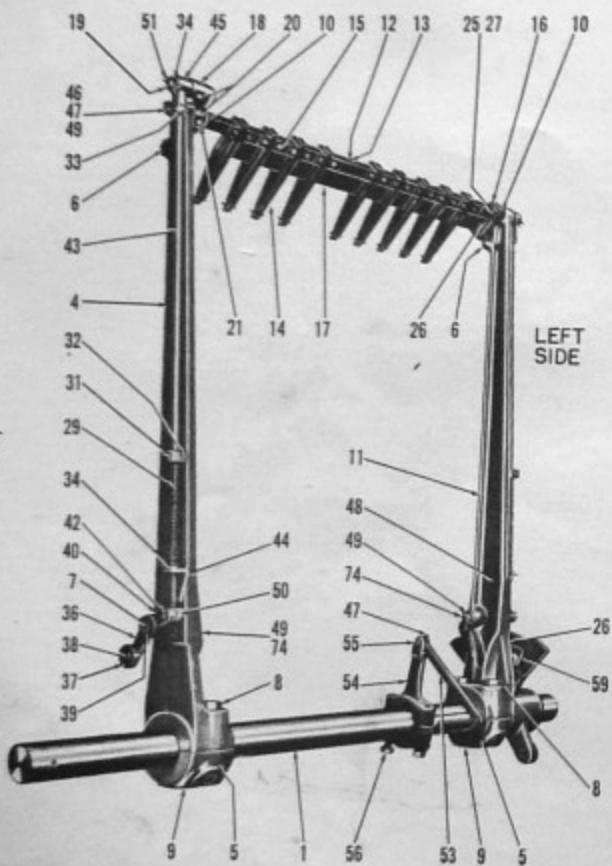


**FIGURE VD**

Figure and Index No.	Part Number	Name and Description	Figure and Index No.	Part Number	Name and Description
VD-1	22595	Bearing, Ink Table Vib Roller - Lt	VD-40	22585	Part Not Listed
VD-2	22597	Cap, Roller Bearing - Lt	VD-41	22589	Part Not Listed
VD-3	*H-47895	Screw, Fil Hd Mech 10-24 x 5/8	VD-42	22591	Part Not Listed
VD-4	22600	Stud, Roller Lock - Lt	VD-43	22785	Spring, Roller Box Key, Roller
VD-5	TP-76	Pin, Taper #3 x 1-7/8	VD-44	22589	Plate, Roller Key
VD-6	22113	Rod, Roller Support	VD-45	22303	Pin, Key Spring
VD-7	22112	Bracket, Roller Box - Lt Lower	VD-46	22590	Box, Roller - Lt
VD-8	22599	Button, Bearing Friction Spring, Bearing Friction	VD-47	22432	Screw, Roller Adjusting
VD-9	22598	Roller, Vibrator	VD-48	21978	Screw, Headless Set 1/4-20 x 3/16
VD-10	22577	Cellar, Vibrator Roller	VD-49	22591	Plug, Adjusting Screw
VD-11	22578	Roller	VD-50	*H-51694	Part Not Listed
VD-12	DP-26	Pin, Dowel 1-8x 1/2	VD-51	20392	Part Not Listed
VD-13	TP-79	Pin, Taper #3 x 1-1/2	VD-52	-	Part Not Listed
VD-14	22579	Nut, Vibrator Roller	VD-53	-	Key, Wedge #7/8 x 3/16
VD-15	22580	Washer, Vibrator Roller	VD-54	-	Roller, Composition Covered
VD-16	*H-49650	Screw, Flat Hd Mech 1/4-20 x 3/4	VD-55	22402	Part Not Listed
VD-17	23462	Bearing, Form Vib Roller - Lt	VD-56	23409	Part Not Listed
VD-18	Part Not Listed	Cap, Roller Bearing - Lt	VD-57	TP-108	Part Not Listed
VD-19	22597	Screw, Fil Hd Mech 10-24 x 5/8	VD-58	22530	Stud, Roller Lock Lever - Lt Upper
VD-20	22190	Stud, Roller Lock	VD-59	22602	Stud, Roller Lock Lever - Lt
VD-21	22594	Pin, Taper #3 x 1-3/4	VD-60	-	Upper
VD-22	22596	Bracket, Roller Box - Lt	VD-61	TP-106	Lever, Roller Lock - Lt Upper
VD-23	*H-47895	Upper	VD-62	22603	Pin, Dowel 1-8x 1-3/8
VD-24	22600	Bearing, Ink Table Vib Roller - Rt	VD-63	22604	Stud, Roller Lock Lever - Lt Lower
VD-25	DP-3	Cap, Roller Bearing-Rt	VD-64	22605	Pin, Taper #3 x 3/4
VD-26	22582	Screw, Fil Hd Mech 10-24 x 5/8	VD-65	22606	Stud, Roller Lock Lever - Lt
VD-27	22581	Stud, Roller Lock	*H-48090	-	Upper
VD-28	22581	Bracket, Roller Box - Rt	VD-66	22607	Lever, Roller Lock - Lt
VD-29	22586	Lower	VD-67	DP-53	Pin, Dowel 3/16 x 1-1/4
VD-30	DP-15	Stud, Inter Vib Gear - Lower	VD-68	-	Part Not Listed
VD-31	23461	Washer, Gear Stud	VD-69	21714	Stud, Inter Vib Gear - Upper
VD-32	22596	Pin, Dowel 1-3/2 x 1/2	VD-70	*H-35078	Nut, Hex 12-13 Light
VD-33	21623	Bearing, Form Vib Roller-Rt	VD-71	*H-43245	Screw, Hex Hd Cap 3/8-16x1
VD-34	*H-49405	Cap, Roller Bearing - Rt	VD-72	-	Part Not Listed
VD-35	22189	Screw, Fil Hd Mech 10-24 x 5/8	VD-73	21714	Stud, Inter Vib Gear - Upper
VD-36	21977	Stud, Roller Lock	VD-74	*H-35078	Nut, Hex 12-13 Light
VD-37	22591	Port Not Listed	VD-75	*H-43245	Screw, Hex Hd Cap 3/8-16x1
VD-38	*H-51694	Pin, Roller Box	VD-76	22605	Table, Ink
VD-39	20392	Screw, Flat Hd Mech 10-24 x 1/2	VD-77	DP-73	-
		Bracket, Roller Box - Rt	VD-78	22517	Clip, Chase Screw
		Box, Roller - Rt	VD-79	DP-75	-
		Screw, Roller Adjusting	VD-76	23594	Locknut, Chase Screw
		Screw, Headless Set 1/4-20 x 3/16	VD-77	23595	-
		Plug, Adjusting Screw	VD-78	*H-54209	Washer, Lock
			VD-79	23959	3/8 x 1-3/8 x 1/16
					Screw, Hex Soc Set 3/8-16 x 3/4 cup pt
					Pipe, Cylinder Frame Oil

\*All parts indicated by asterisk (\*) preceding the part number are commercial parts and may be ordered from a local hardware store or machinists' supply house.  
Primary parts of an assembly will always include those parts which are indented under them in the classified lists.  
All parts listed in italic type will be sold only with the parts to which they are attached. They will not be sold separately.

RIGHT SIDE

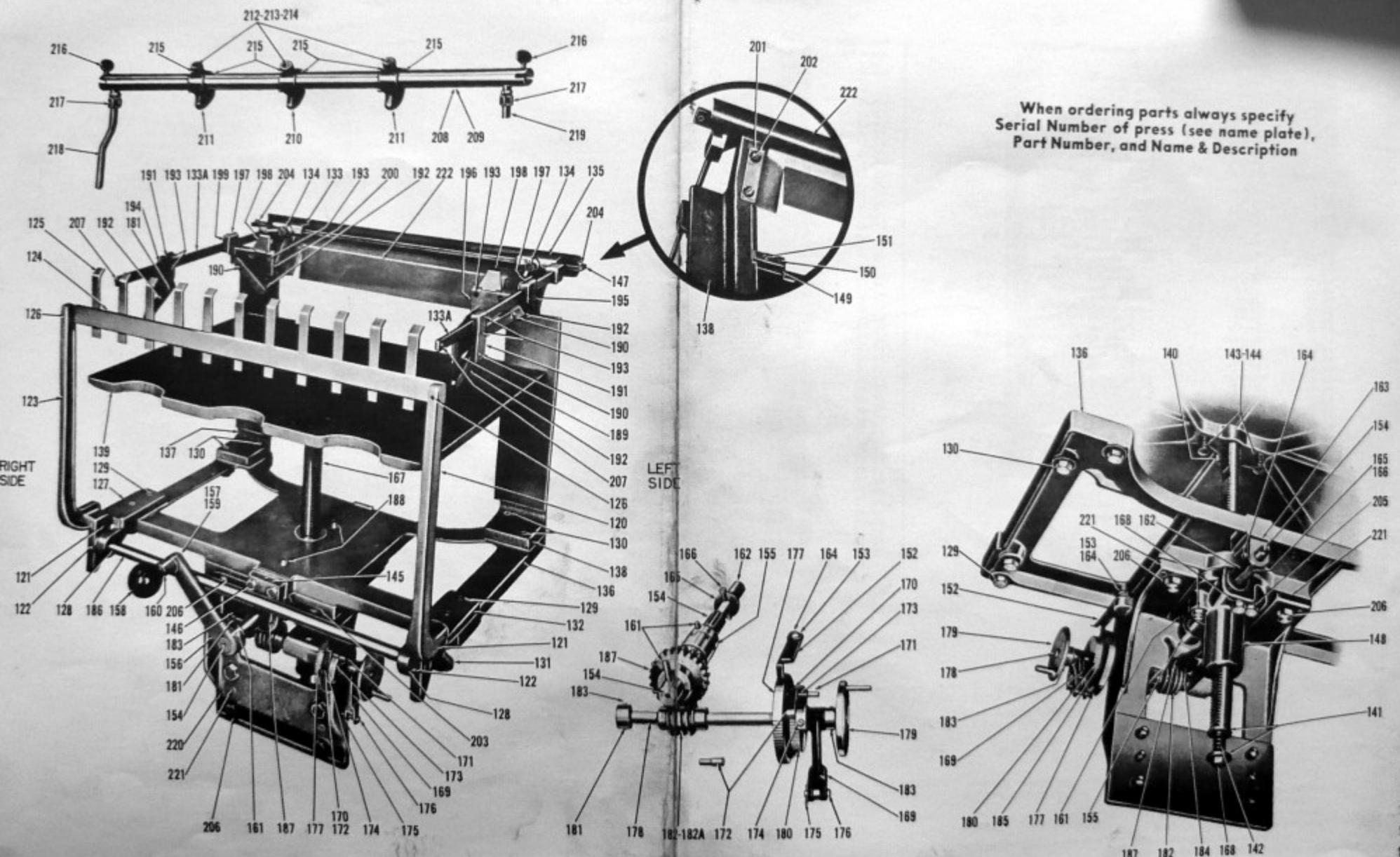


When ordering parts always specify  
Serial Number of press (see name plate),  
Part Number, and Name & Description

**FIGURE VE**  
(Figure VE continued on page 18)



DELIVERY continued



When ordering parts always specify  
Serial Number of press (see name plate),  
Part Number, and Name & Description

FIGURE VE—Continued

# PARTS LIST FOR DELIVERY, Continued

(See Figure VE)

Figure and  
Index No.

Part  
Number

Name and Description

1	2	3
VE-120	21153	Arm, Sheet Stop Finger Bar - Lt
VE-121	H-50671	Screw, Rd Hd Mach 10-24 x 5/8 Spl 3/8 Thd
VE-122	TP-85	Pin, Taper #2 x 1-3/8
VE-123	21154	Arm, Stop Finger Bar - Rt
VE-121	H-50671	Screw, Rd Hd Mach 10-24 x 5/8 Spl 3/8 Thd
VE-124	21390	Bar, Sheet Stop Finger
VE-125	22624	Finger, Sheet Stop
VE-126	*H-49405	Screw, Flat Hd Mach 10-24 x 1/2
VE-127	21563	Bracket, Finger Bar Arm - Rt
VE-128	*OA-746	Bearing, Oilitte .6255 x .753 x 35/64
VE-129	*H-43265	Screw, Hex Hd Cap 3/8-16 x 1-1/8
VE-130	*H-43270	Screw, Hex Hd Cap 3/8-16 x 1-1/2
VE-131	21729	Spring, Finger Bar Arm
VE-132	21728	Bracket, Finger Bar Arm - Lt
VE-128	*OA-746	Bearing, Oilitte .6255 x .753 x 35/64
VE-121	H-50671	Screw, Rd Hd Mach 10-24 x 5/8 Spl 3/8 Thd
VE-133	21801	Bracket, Side Jogger - Rt
VE-133A	21802	Bar, Side Jogger
VE-134	21804	Screw, Jogger Bracket
VE-135	21800	Bracket, Side Jogger - Lt
VE-133A	21802	Bar, Side Jogger
VE-134	21804	Screw, Jogger Bracket
VE-136	22017	Platform, Delivery
VE-137	22092	Guide, Delivery Table - Rt
VE-138	22093	Guide, Delivery Table - Lt
VE-139	22096	Table, Delivery
VE-140	*H-54882	Screw, Sq Hd Set 5/16-18 x 3/4
VE-141	WR-36	Washer, Finished 25/64 x 1-3/32 x 1/8
VE-142	22233	Spring, Del Table Rock
VE-143	22297	Spring, Delivery Table
VE-144	*H-47885	Screw, Fil Hd Mach 10-24 x 1/2
VE-145	22608	Bearing, Worm Gear
VE-146	*H-43100	Screw, Hex Hd Cap 5/16-18 x 1
VE-147	22612	Bar, Jogger Support
VE-148	22622	Guide, Pile Rock
VE-149	22639	Gib, Delivery Table
VE-150	DP-26	Pin, Dowel 1/8 x 5/8
VE-151	*H-47895	Screw, Fil Hd Mach 10-24 x 5/8
VE-152	22671	Spring, Del Set Wheel
VE-153	WR-13	Washer, Finished 17/64 x 5/8 x 1/16
VE-154	22675	Shaft, Worm Gear

Figure and  
Index No.

Part  
Number

Name and Description

1	2	3
VE-155	22676	Collar, Pile Adj Clutch
VE-156	22679	Crank, Pile Adjusting
VE-157	20303	Stud, Adj Crank Handle
VE-158	H-68154	Handle, Ball MF 2260
VE-159	WR-21	Washer, Finished 21/64 x 1/2 x 1/16
VE-160	H-36657	Washer, Lock 3/8 x 1/8 x 3/32
VE-161	TP-80	Pin, Taper #3 x 1-3/8
VE-162	22677	Spring, Pile Adj Clutch
VE-163	22678	Stop, Spring
VE-164	*H-50860	Screw, Rd Hd Mach 1-4-20 x 1/2
VE-165	WR-56	Washer, Finished 33/64 x 1-1/8 x 1/8
VE-166	H-34610	Pin, Cotter 1/8 x 3/4
VE-167	22683	Rack, Delivery Table
VE-168	*H-43290	Screw, Hex Hd Cap 3/8-16 x 2
VE-169	22693	Lever, Delivery Ratchet
VE-170	22691	Pawl, Delivery Ratchet
VE-171	22692	Stud, Pawl Lifting
VE-172	22694	Stud, Ratchet Pawl
VE-173	22695	Spring, Ratchet Pawl
VE-174	*H-50490	Screw Rd Hd Mach 6-32 x 1/4
VE-175	*H-34544	Pin, Cotter 3/32 x 1/2
VE-176	22698	Stud, Lever Conn Rod
VE-177	22702	Wheel, Delivery Set
VE-178	22703	Shaft, Pile Adj Worm
VE-179	22699	Wheel, Pile Adj Hand
VE-180	22701	Ratchet, Delivery Pile
VE-181	CR-209	Collar, 1/2 x 7/8 x 1/2
VE-182	22984	Worm, Pile Adj (paper feed)
VE-183	VE-182A	Worm, Pile Adj (cord feed)
VE-184	TP-92	Pin, Taper #1 x 15/16
VE-185	TP-93	Pin, Taper #1 x 7/8
VE-186	TP-94	Pin, Taper #1 x 13/16
VE-187	22960	Rod, Stop Finger Bar Arm
VE-188	22983	Gear, Pile Adj Worm (paper feed)
VE-189	21387	Gear, Pile Adj Worm (cord feed)
VE-190	23412	Pipe, Brass Oil
VE-191	22499	Wing, Jogger Side - Lt
VE-192	22614	Stud, Jogger Wing Ext
VE-193	23895	Bracket, Side Jogger Wing
VE-193	*H-49200	Extension, Jogger Wing

Figure and  
Index No.

Part  
Number

Name and Description

1	2	3
VE-194	23889	Wing, Jogger Side - Rt
VE-190	22499	Stud, Jogger Wing Ext
VE-191	22614	Bracket, Side Jogger Wing
VE-192	23895	Extension, Jogger Wing
VE-193	*H-49200	Screw, Flat Hd Mach 6-32 x 3/8
VE-195	23892	Bracket, Rear Jog Wing - Lt
VE-196	21338	Wing, Rear Jogger - Lt
VE-197	22499	Stud, Jogger Wing Ext
VE-198	23894	Plate, Rear Bracket
VE-199	*H-49200	Extension, Jogger Wing
VE-200	21777	Screw, Flat Hd Mach 6-32 x 3/8
VE-201	23893	Extension, Rear Jogger Wing
VE-200	21337	Bracket, Rear Jog Wing - Rt
VE-190	22499	Wing, Rear Jogger - Rt
VE-197	23894	Stud, Jogger Wing Ext
VE-198	21777	Plate, Rear Bracket
VE-199	23893	Extension, Jogger Wing
VE-200	21337	Screw, Flat Hd Mach 6-32 x 3/8
VE-193	23895	Washer, Shakeproof Lock 1/4 #114
VE-201	*SL-W-1114	Screw, Rd Hd Mach 10-24 x 1/4
VE-202	H-50840	Screw, Hex Hd Cap 1/2-13 x 1
VE-203	H-43485	Screw, Fil Hd Mach 10-24 x 3/16
VE-204	*H-47865	Assembly, Blow Tube
VE-205	H-43245	Tube, Delivery Blow
VE-206	H-43495	Nozzle, Del Blow - Ctr
VE-207	*H-47860	Nozzle, Del Blow - End
VE-208	A21639	Button, Blow Nozzle
VE-209	21639	Spring, Blow Nozzle
VE-210	20335	Plug, Blow Nozzle Spring
VE-211	21637	Screw, Fil Hd Mach 8-32 x 1/4
VE-212	21638	Connector, Imperial Brass 1/200 Tube 3/3 NPT 68F
VE-213	21773	Tube, Delivery Nozzle - Lt
VE-214	21299	Tube, Delivery Nozzle - Rt
VE-215	*H-47790	Bracket, Delivery Platform
VE-216	H-66976-P	Pin, Dowel 1/8 x 1
VE-217	*IMP-68-F11	Guard, Delivery Sheet
VE-218	20330	
VE-219	23081	
VE-220	21023	
VE-221	DP-114	
VE-222	21751	

All parts indicated by asterisk (\*) preceding the part number are commercial parts and may be ordered from a local hardware store or machinist's supply house.

Primary parts of an assembly will always include those parts which are indented under them in the classified lists.

All parts listed in italic type will be sold only with the parts to which they are attached. They will not be sold separately.

Always be sure to give serial number of press when ordering parts.

## DRIVE

When ordering parts always specify  
Serial Number of press (see name plate),  
Part Number, and Name & Description

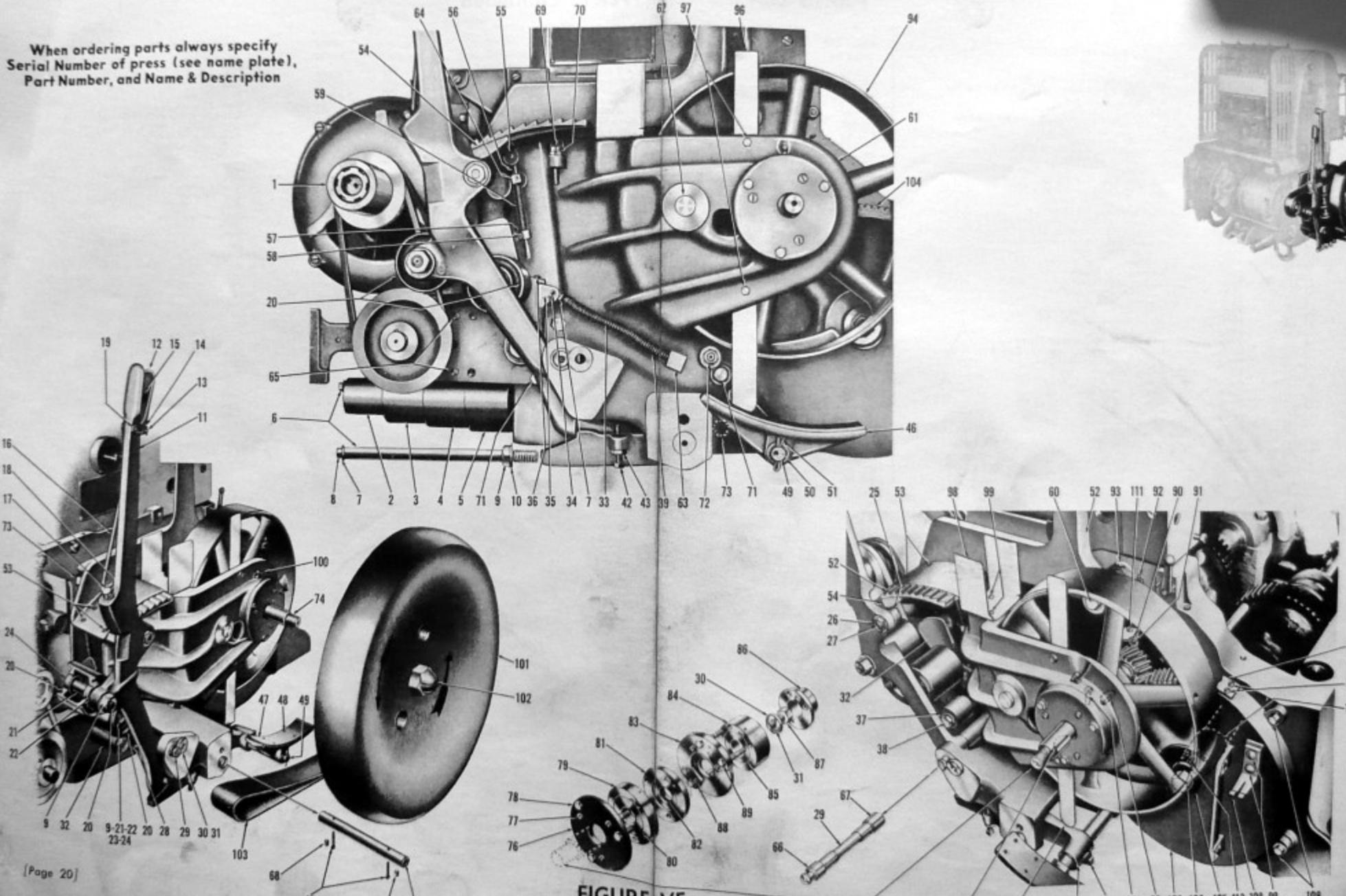


FIGURE M



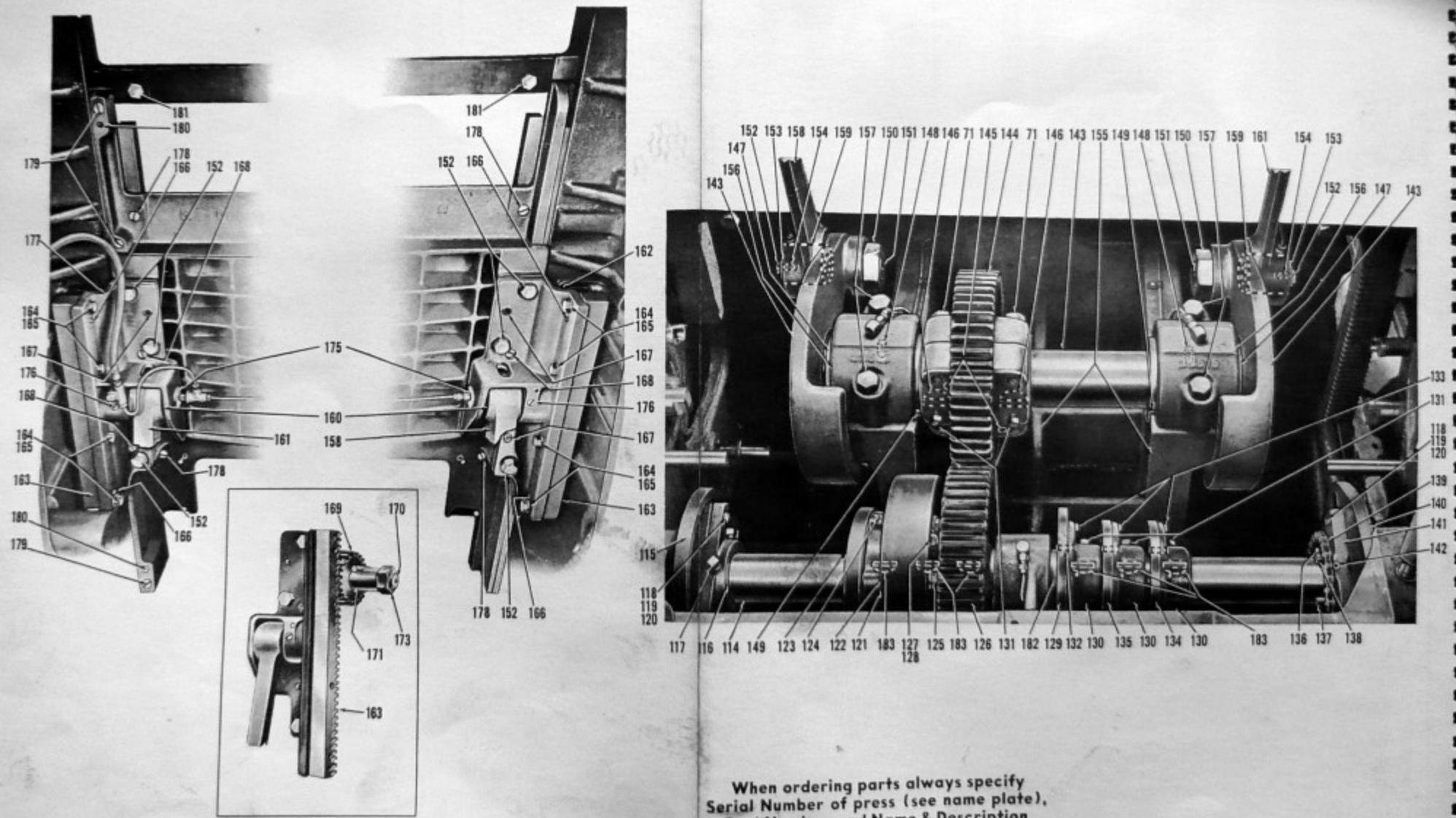


FIGURE VF—Continued

# PARTS LIST FOR DRIVE, Continued

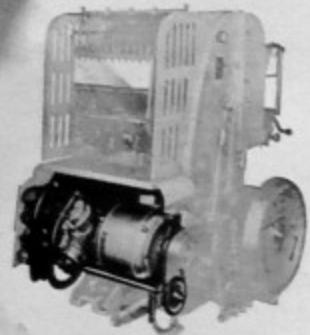
(See Figure VF)

Figure and Index No.	Part Number	Name and Description			Figure and Index No.	Part Number	Name and Description			Figure and Index No.	Part Number	Name and Description		
		1	2	3			1	2	3			1	2	3
VF-114	21504	Shaft, Cam			VF-136	20205	Sprocket, Oilier Drive Chain			VF-161	21699	Rod, Crank Connecting - Rt		
VF-115	22115	Cam, Del Gripper-Lower			VF-137	*H-46287	Screw, Hex Soc Cap 1/4-20 x 1/2			VF-159	21701	Bushing, Crank Conn Rod - Lower		
VF-116	22621	Bearing, Del Grip Cam-Lower, Lt			VF-138	DP-67	Pin, Dowel 1/4 x 1/2			VF-160	21700	Bushing, Crank Conn Rod - Upper		
VF-117	*H-57092	- . Screw, Sq Hd Set 3/8-16 x 7/8			VF-139	20206	Chain, Oilier Drive			VF-161	22003	Bracket, Cylinder Frame Rock - Lt		
VF-118	*H-40120	- . Screw, Filt Hd Cap 5/16-18 x 1			VF-140	21137	Cam, Del Grip, Raising - Lower			VF-162	22100	Rock, Cylinder Frame		
VF-119	*H-36450	- . Washer, Lock 5/16 x 1/8 x 1/16			VF-141	20202	- . Bearing, Cam-Lower, Rt			VF-163	22101	- . Screw, Hex Hd Cap 3/8-16 x 1-1/4		
VF-120	*H-35359	- . Nut, Hex Jam 5/16-18			VF-142	*H-54201	- . Screw, Hex Soc Set 3/8-16 x 5/8			VF-164	*H-43260	- . Bushing, Crank Conn Rod - Lower		
VF-121	A21176	Assembly, Ductor Cam			VF-118	*H-40120	- . Screw, Filt Hd Cap 5/16-18 x 1/16			VF-165	*H-36656	Bracket, Cylinder Frame Rock - Lt		
VF-122	21176	- . Cam, Ductor			VF-119	*H-36650	- . Washer, Lock 5/16 x 1/8 x 1/16			VF-166	DP-114	- . Pin, Dowel 3/8 x 1		
VF-123	22124	- . Cam, Fountain			VF-120	*H-35359	- . Nut, Hex Jam 5/16-18			VF-167	DP-135	- . Pin, Dowel 1/2 x 2		
VF-124	*H-57122	- . Screw, Sq Hd Set 3/8-16 x 1-1/4			VF-143	22569	Shaft, Crank			VF-168	22216	Screw, Beater and Cyl Rock		
VF-125	*H-43305	- . Screw, Hex Hd Cap 3/8-16 x 2-1/2			VF-144	22107	Gear, Crank Shaft			VF-169	23823	Gear, Cyl Fr Driving		
VF-126	22123	Gear, Crank Shaft			VF-131	*H-57082	- . Screw, Sq Hd Cap 3/4-16 x 4-1/4			VF-170	21703	Stud, Cyl Fr Driving Gear		
VF-127	*H-45410	- . Screw, Hex Hd Cap 3/4-16 x 4-1/4			VF-145	*H-43855	- . Screw, Hex Hd Cap 3/8-16 x 3/4			VF-171	DP-40	- . Pin, Dowel 3/16 x 5/16		
VF-128	*H-35281	- . Nut, Hex 3/4-16			VF-146	DP-101	- . Pin, Dowel 5/16 x 2-1/2			VF-172	Part not listed	Part not listed		
VF-129	21682	Cam, Feeder Suction			VF-147	K-G	- . Pin, Dowel 5/16 x 1-3/4			VF-173	*H-35111	Nut, Hex 7/8-9 - Heavy		
VF-130	22745	- . Hub, Air Valve Cam			VF-148	21713	Key, Woodruff 1-1/2 x 3/8			VF-174	Part not listed	Part not listed		
VF-131	*H-57082	- . Screw, Sq Hd Set 3/8-16 x 3/4			VF-149	DP-89	Bushing, Crank Shaft			VF-175	Pin, Wrist	Pin, Wrist		
VF-132	DP-43	- . Pin, Dowel 3/16 x 1/2			VF-150	22574	- . Pin, Dowel 5/16 x 5/8			VF-176	*H-40150	Screw, Filt Hd Cap 5/16-18 x 2		
VF-133	*H-42960	- . Screw, Hex Hd Cap 1/4-20 x 5/8			VF-151	22571	Liner, Crank Shaft Bushing			VF-177	22002	Bracket, Cyl Fr Rock - Rt		
VF-134	23954	Cam, Cylinder Trip Suction			VF-152	*H-43485	Nut, Crank Shaft			VF-178	22100	- . Rock, Cylinder Frame		
VF-135	22745	- . Hub, Air Valve Cam			VF-153	WR-216	- . Pin, Dowel 3/16 x 12-13 x 1			VF-179	*H-43260	- . Screw, Hex Hd Cap 3/8-16 x 1-1/4		
VF-136	*H-57082	- . Screw, Sq Hd Set 3/8-16 x 3/4			VF-154	DP-43	Washer, Finished 33/64 x 2-13/32 x 1/4			VF-180	*H-36656	- . Washer, Lock 3/8-16 x 1/8 x 1/16		
VF-137	DP-43	- . Pin, Dowel 3/16 x 1/2			VF-155	21054	- . Pin, Dowel 3/16 x 1/2			VF-181	DP-114	- . Pin, Dowel 3/8 x 1		
VF-138	*H-42960	- . Screw, Hex Hd Cap 1/4-20 x 5/8			VF-156	22575	Frame, Main			VF-182	DP-135	- . Pin, Dowel 1/2 x 2		
VF-139	23955	Cam, Trans Table Suction			VF-157	*H-43877	- . Cap, Crank Shaft Bearing			VF-183	*H-40210	Screw, Filt Hd Cap 3/8-16 x 3/4		
VF-140	22745	- . Hub, Air Valve Cam			VF-158	21698	- . Screw, Hex Hd Cap 5/8-11 x 3			VF-184	*H-40235	Screw, Filt Hd Cap 3/8-16 x 1-1/2		
VF-141	*H-57082	- . Screw, Sq Hd Set 3/8-16 x 3/4			VF-159	21701	Rod, Crank Connecting - Lt			VF-185	DP-114	- . Pin, Dowel 3/8 x 1		
VF-142	DP-43	- . Pin, Dowel 3/16 x 1/2			VF-160	21700	Bushing, Crank Conn Rod - Lower			VF-186	21594	Stud, Del Arms Cyl Fr Stop		
VF-143	*H-42960	- . Screw, Hex Hd Cap 1/4-20 x 5/8					Bushing, Crank Conn Rod - Upper			VF-187	*OA-2403	Bearing, Oelite 1.942 x 2.4415 x 2-3/4		

\*All parts indicated by asterisk (\*) preceding the part number are commercial parts and may be ordered from a local hardware store or machinists' supply house.  
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 All parts listed in italic type will be sold only with the parts to which they are attached. They will not be sold separately.

Always be sure to give serial number of press when ordering parts.

PUMPS, AIR VALVE  
and ELECTRICAL



When ordering parts always specify  
Serial Number of press (see name plate),  
Part Number, and Name & Description

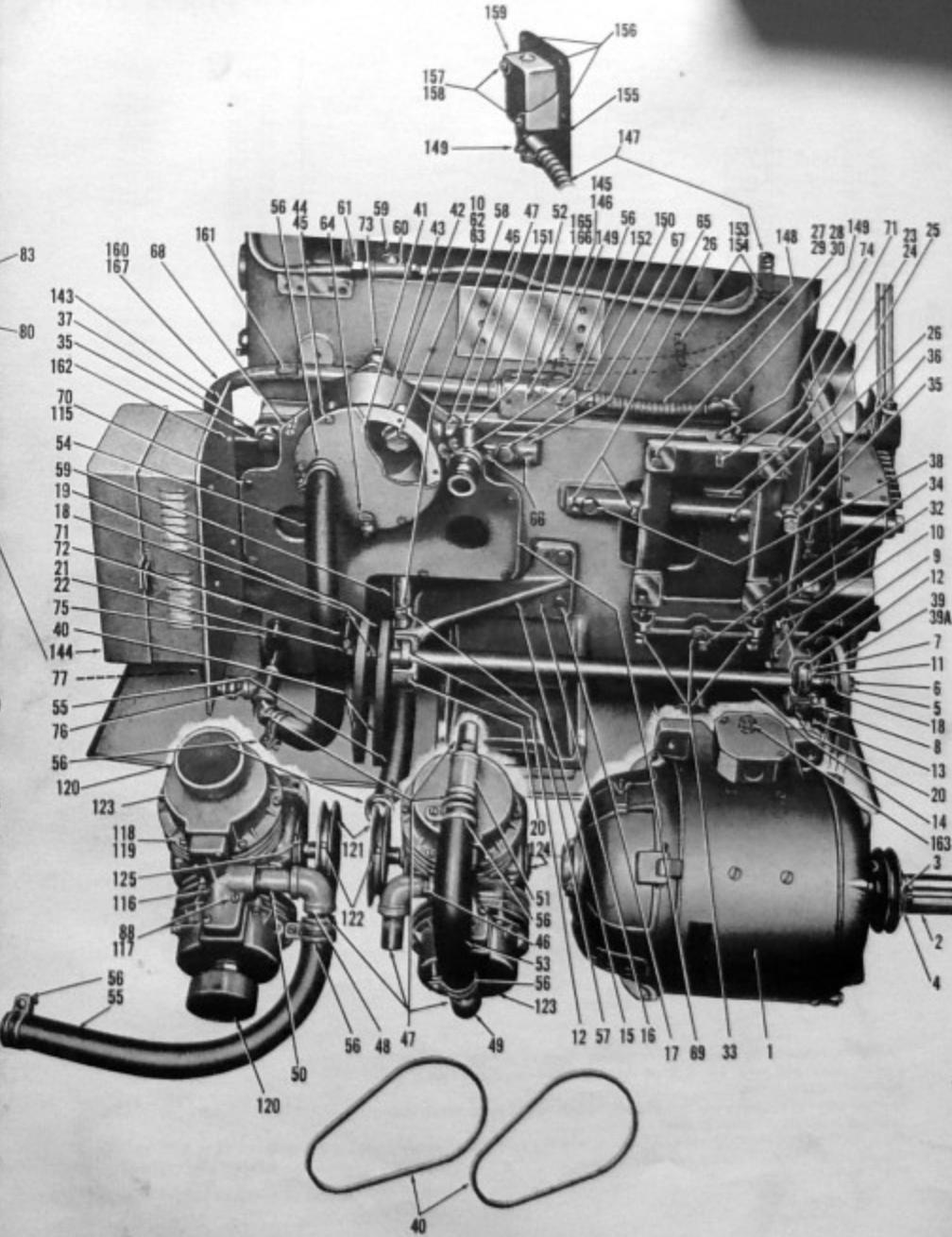
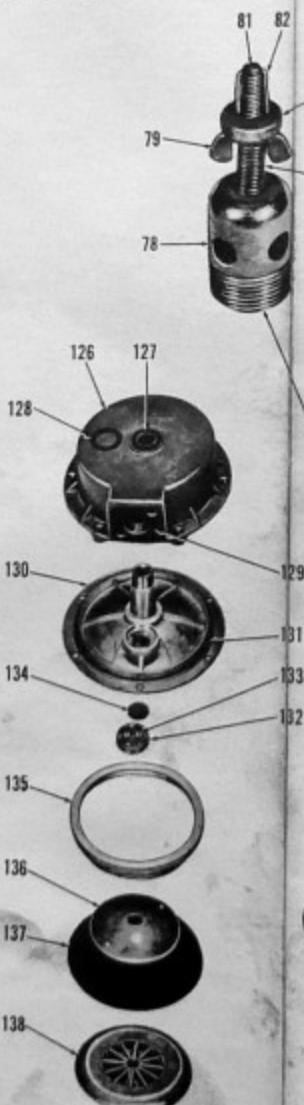
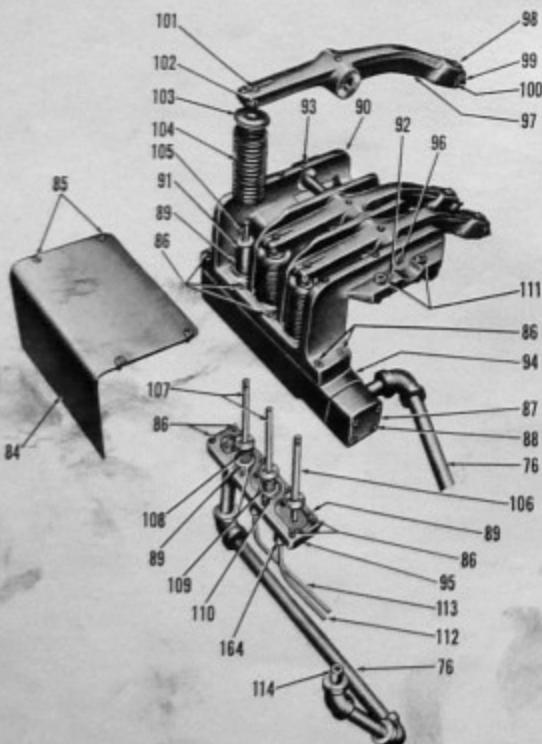
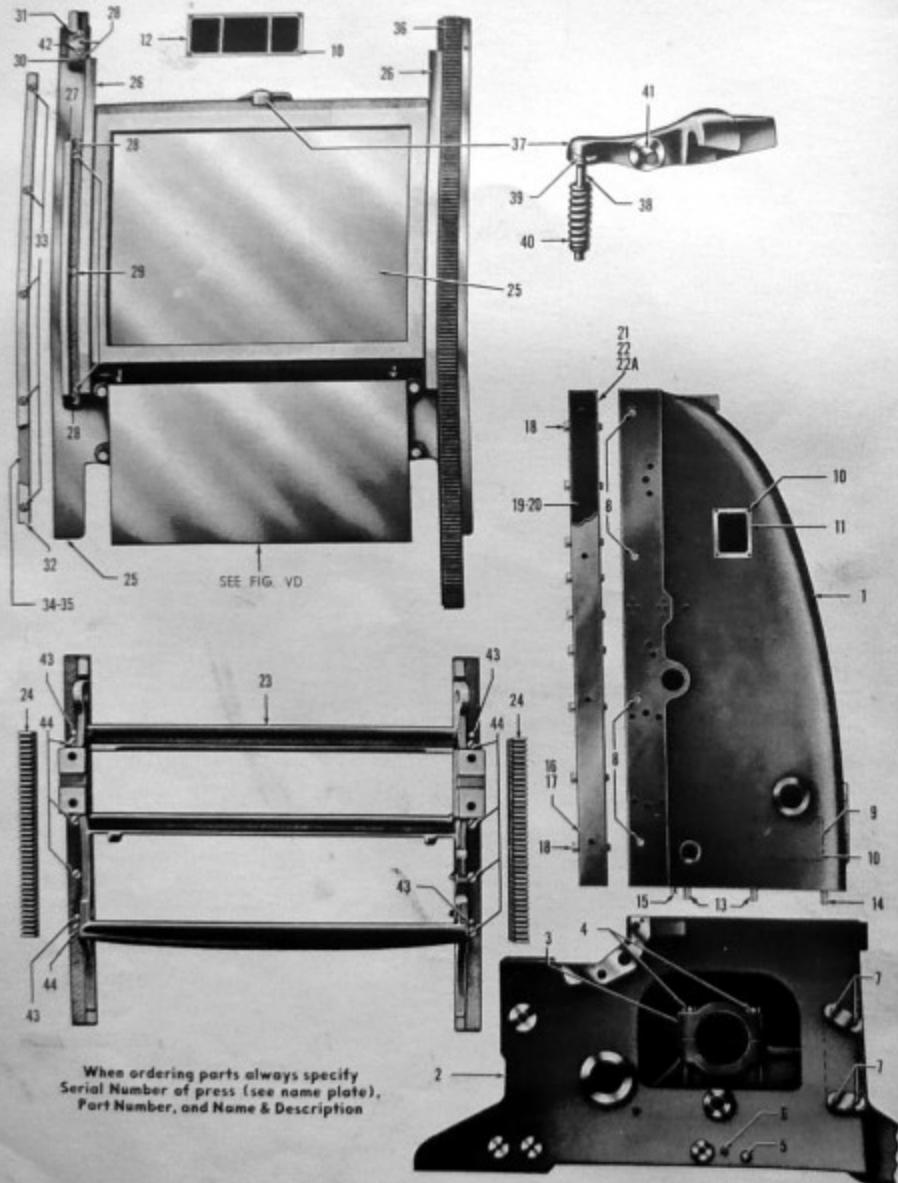


FIGURE VG



# TYPE BED, CYLINDER FRAME and MAIN FRAME



**FIGURE VH**

## PARTS LIST FOR TYPE BED, CYLINDER FRAME and MAIN FRAME

(See Figure VH)

Figure and Index No.	Part Number	Name and Description	Figure and Index No.	Part Number	Name and Description	1	2	3	1	2	3
						1	2	3	1	2	3
VH-1	23091	Frame, Way	VH-22A	22322	Shim, Cylinder Frame Gib, Narrow .002						
VH-2	21054	Frame, Main	VH-23	23098	Frame, Cylinder						
VH-3	22575	Cap, Bearing	VH-24	22108	Rock, Cylinder Frame						
VH-4	*H-43877	Screw, Hex Hd Cap 5/8-11 x 3	VH-25	23099	Bed, Type						
VH-5	*H-75029	Plug, Sq Hd Pipe 1/2	VH-26	20312	Bearing, Type Bed						
VH-6	23612	Pipe, Brass Oil	VH-27	21630	Cam, Cylinder Gripper Closing						
VH-7	*H-50875	Screw, Rd Hd Mach 1/4-20 x 3/4	VH-28	DP-49	Pin, Dowel 1/4 x 5/8						
VH-8	*H-40340	Screw, Fil Hd Cap 7/16-14 x 1	VH-29	*H-40110	Screw, Fil Hd Cap 5/16-18 x 3/4						
VH-9	N-42	Plate, Name	VH-30	21272	Cam, Cylinder Gripper Opening						
VH-10	*H-65099	Screw, Parker Drive 7 x 3/8	VH-31	21605	Shim, .027						
VH-11	N-50	Plate, Patent	VH-32	21345	Gib, Type Bed						
VH-12	N-44	Plate, Name	VH-33	*H-40011	Screw, Fil Hd Cap 1/4-20 x 1/2 (1/2 hd)						
VH-13	*H-43500	Screw, Hex Hd Cap 1/2-13 x 1-3/8	VH-34	23572	Shim, .002						
VH-14	*H-43515	Screw, Hex Hd Cap 1/2-13 x 1-3/4	VH-35	23573	Shim, .003						
VH-15	DP-135	Pin, Dowel 1/2 x 1	VH-36	22503	Rock, Impression Cylinder						
VH-16	21721	Gib, Cylinder Frame - Rt	VH-37	22518	Lock, Chase						
VH-17	21722	Gib, Cylinder Frame - Lt	VH-38	20353	- Red, Chase Lock Spring						
VH-18	*H-46395	Screw, Hex Sec Cap 7/16 - 14 x 2-1/2	VH-39	*H-34614	- Pin, Cotter 1/8 x 1						
VH-19	23574	Shim, Wide .002	VH-40	SP-C44	Spring, Chase Lock						
VH-20	23575	Shim, Wide .003	VH-41	22522	Stud, Chase Lock						
VH-21	23570	Shim, Narrow .003	VH-42	*H-40111	Screw, Fil Hd Cap 5/16-18 x 3/4 (1/2 hd)						
VH-22	23571	Shim, Narrow .006	VH-43	DP-112	Pin, Dowel 3/8 x 7/8						
			VH-44	*H-40205	Screw, Fil Hd Cap 3/8-16 x 5/8						

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All parts listed in italic type will be sold only with the parts to which they are attached. They will not be sold separately.

Please be sure to give serial number of press when ordering parts.

## PARTS LIST FOR GUARDS

(See Figure VI)

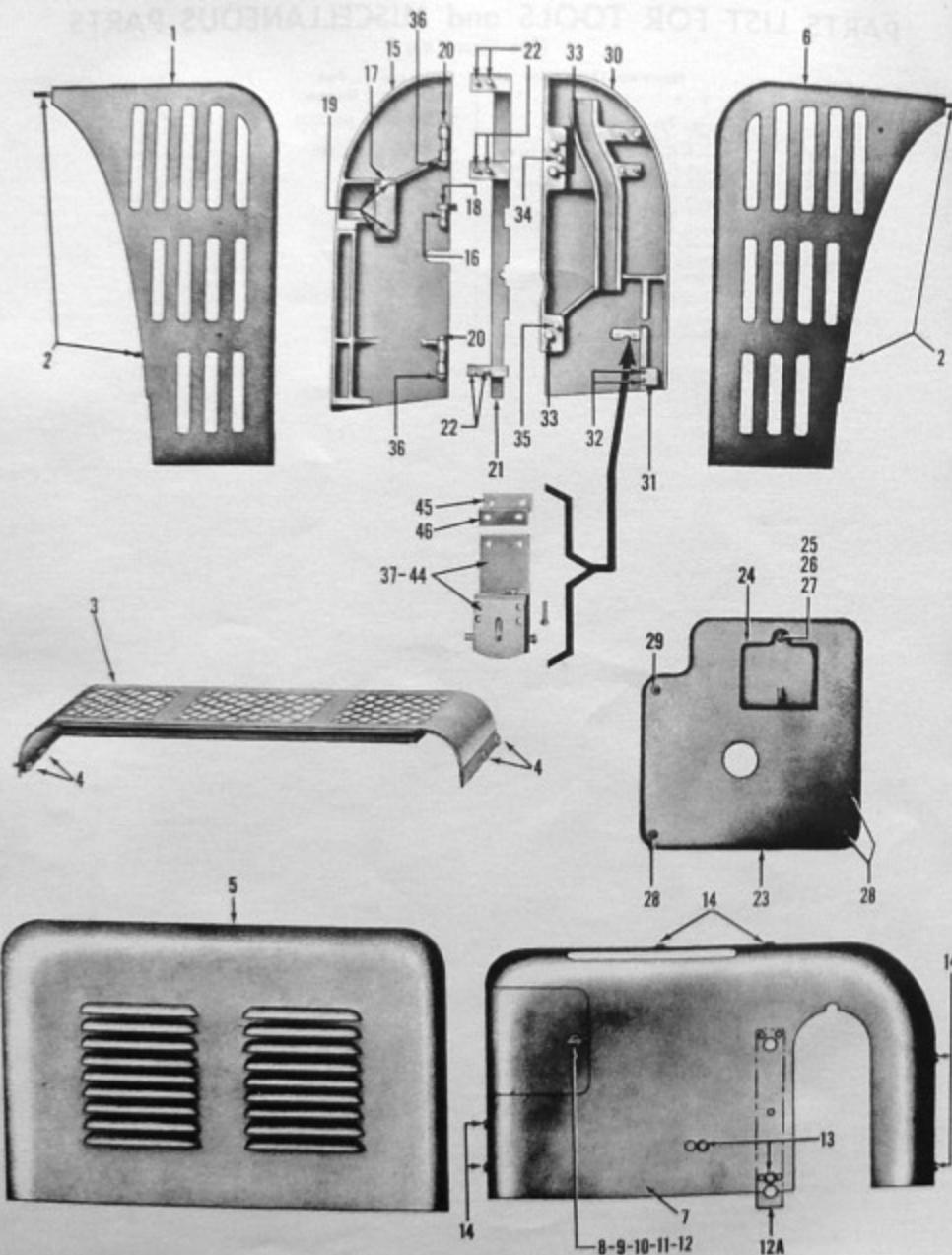


Figure and Index No.	Part Number	Name and Description	Figure and Index No.	Part Number	Name and Description
		1 2 3			1 2 3
VI-1	21061	Guard, Delivery - Rt	VI-25	*H-36645	Washer, Lock 1/4 x 3/32 x 1/16
VI-2	*H-46345	Screw, Hex Soc Cap 3/8-16 x 1	VI-26	*H-35055	Nut, Hex 1/4-20
VI-3	21217	Cover, Motor Guard	VI-27	*H-50875	Screw, Rd Hd Mach 1/4-20 x 3/4
VI-4	*H-50960	Screw, Rd Hd Mach 5/16-18 x 3/8	VI-28	*H-46352	Guard, Motor Drive
VI-5	21063	Guard, Delivery - Lt	VI-29	*H-46353	Guard, Driving Belts
VI-6	21062	Latch, Door	VI-30	21059	Steud, #7 Shakeproof Wing Hd 96-DW-7-6
VI-7	21064	Washer, Finished 21/64 x 3/4 x 1/16	VI-31	21766	Cam, Side Guide Lowering and Cylinder End Guard - Rt
VI-8	20306	Pin, Shakeproof Cross 96-7-CP	VI-32	*H-51336	Plate, Suction Pipe Clamp
VI-9	*H-68201	Washer, Shakeproof Spring 3502-18	VI-33	*H-46416	Screw, Rd Hd Mach 10-32 x 5/16
VI-10	WR-25	Bar, Flywheel Shaft	VI-34	DP-141	Screw, Hex Soc Cap 1/2-13 x 1-1/4
VI-11	*H-68200	Bearing Tie	VI-35	DP-120	Pin, Dowel 1/2 x 1-3/4
VI-12	*SLW-3502-18	Screw, Hex Hd Cap 1/2-13 x 1	VI-36	*H-34548	Pin, Dowel 1/8 x 1-3/4
VI-12A	20214	Screw, Rd Hd Mach 5/16-18 x 5/16	VI-37	20358	Pin, Cotter 3/32 x 5/8
VI-13	*H-43485	Guard, Cylinder End - Lt	VI-38	G-501	Shoe, Vacuum Cylinder
VI-14	*H-50955	Cam, Stop Lever	VI-39	H-30516	- Cover, Oil Hole, Gite Bros.
VI-15	21060	Cover, Tool Pocket	VI-40	H-50675	- Screw, 1/8 x 5/8
VI-16	23644	Pin, Dowel 1/4 x 1-1/2	VI-41	H-53820	- Screw, Rd Hd Mach 10-24NC x 3/4
VI-17	21604	Screw, Rd Hd Mach 6-32 x 1/4	VI-42	20359	- Screw, Hex Soc Set 10-24NC x 1/4
VI-18	DP-79	Guard, Feeder and Delivery Cam	VI-43	H-50860	- Spring, Vacuum Cylinder Shoe
VI-19	*H-50490	Cover, Cam Guard	VI-44	H-36643	- Screw, Rd Hd Mach 1/4-20 x 1/2
VI-20	22277	Pin, Guard Hinge	VI-45	20362	- Washer, Lock 1/4 x 1/16 Light
VI-21	23097	Guard, Corner - Lt	VI-46	20367	Shim, Brass, Cylinder Vacuum Shoe
VI-22	*H-47865	Screw, Fil Hd Mach 10-24 x 1/4			Plate, Cylinder Vacuum Shoe Spring
VI-23	21018	Guard, Feeder and Delivery Cam			
VI-24	28457	Cover, Cam Guard			

\*All parts indicated by asterisk (\*) preceding the part number are commercial parts and may be ordered from a local hardware store or machinists' supply house.  
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FIGURE VI

Always be sure to give serial number of press when ordering parts.

## PARTS LIST FOR TOOLS and MISCELLANEOUS PARTS

(See Figure VJ)

Figure and Index No.	Part Number	Name and Description	Figure and Index No.	Part Number	Name and Description
		1 2 3			1 2 3
VJ-1	21001	Chase, Type Bed	VJ-16	BB-4223	Disc, Oil Pump Filter
VJ-2	22216	Pin, Type Bed Chase	VJ-17	22586	Felt B 4223
VJ-3	*H-70011	Wrench for 5/8 Hex Socket Screw	VJ-18		Roller, Composition Covered
VJ-4	*H-70010	Wrench for 1/2 Hex Socket Screw	VJ-19		Part Not Listed
VJ-5	*H-70009	Wrench for 3/8 Hex Socket Screw	VJ-20		Part Not Listed
VJ-6	*H-70007	Wrench for 5/16 Hex Socket Screw	VJ-21	21767	Plug, Blower Tube Shut-off
VJ-7	*H-70005	Wrench for 10-32 Hex Socket Screw	VJ-22	23881	Tube, Feeder Post Blower
VJ-8	*H-70006	Wrench for 1/4 Hex Socket Screw	VJ-23	23885	Pad, Feeder Post - Rear
VJ-9	22479	Wrench, Pin 5/16 x 9	VJ-24	23886	Pad, Press Rest - Front
VJ-10	29340	Wrench, Pin 1/8 x 3/16	VJ-25	21350	Pan, Oil Drip
VJ-11	22478	Wrench, Pin 1/8 x 3/16	VJ-26	20251	Wrench, Pump Screw
VJ-12	*H-67990	Oiler	VJ-27	*H-70144	Wrench for Oiling System (3/8 x 7/16 openings) #723
VJ-13	*Z-6556Z	Gun, Hydraulic Auto-Type Grease			
VJ-14	20313	Wrench, Pump			
VJ-15	*H-68356	Screwdriver, 4"			

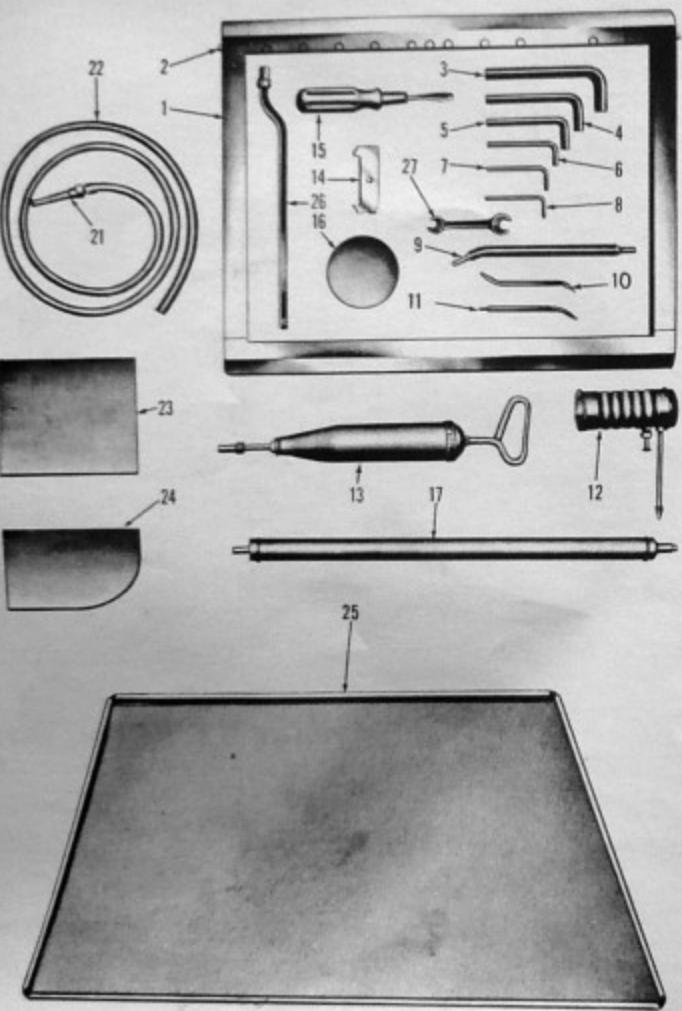


FIGURE VJ

When ordering parts always specify  
Serial Number of press (see name plate),  
Part Number, and Name & Description

\*All parts indicated by asterisk (\*) preceding the part number are commercial parts and may be ordered from a local hardware store or machinists' supply house.

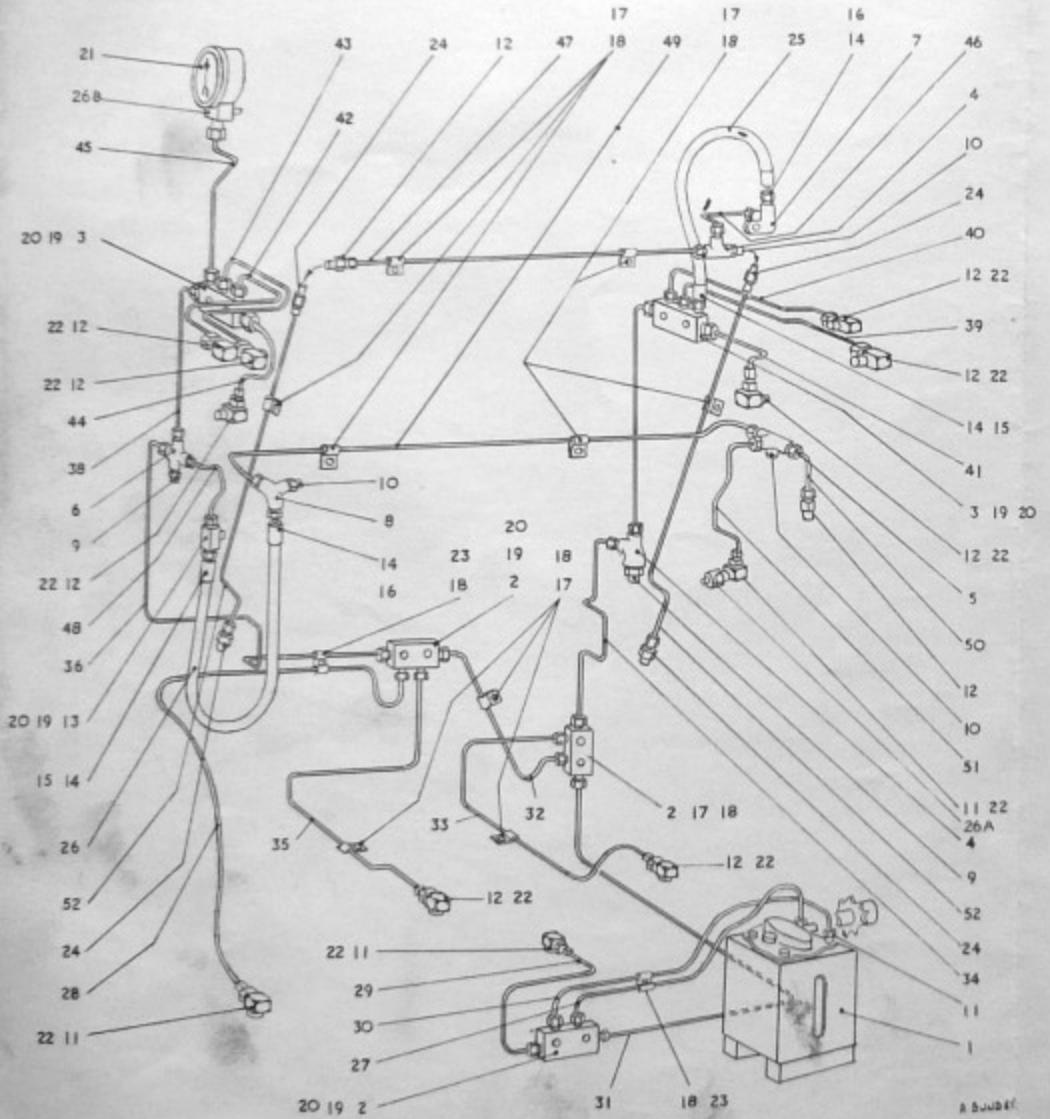
Primary parts of an assembly will always include those parts which are indented under them in the classified lists.

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Always be sure to give serial number of press when ordering parts.

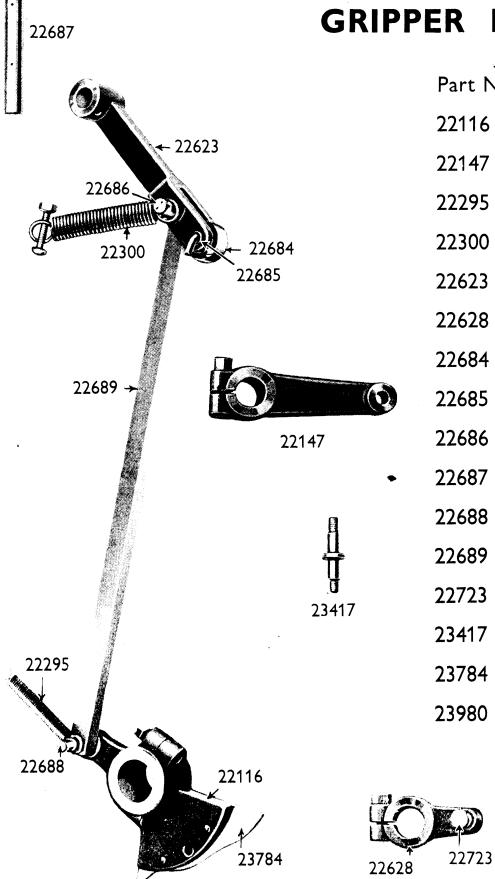
## SPARES LIST

## FOR BIJUR AUTOMATIC LUBRICATION SYSTEM.



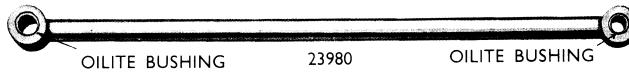
ITEM No.	PART No.	DESCRIPTION	ITEM No.	DESCRIPTION
1	SCHEME N22	BIJUR PUMP	27	1&quot; DIA. BRASS PIPE X 16" LONG
2	60114	4-WAY JUNCTION	28	1&quot; DIA. BRASS PIPE X 36&frac12;" LONG
3	60115	5-WAY JUNCTION	29	1&quot; DIA. BRASS PIPE X 13" LONG
4	60303	3-WAY METER VALVE JUNCTION	30	1&quot; DIA. BRASS PIPE X 30&frac12;" LONG
5	60300	4-WAY METER VALVE JUNCTION	31	1&quot; DIA. BRASS PIPE X 38&frac12;" LONG
6	60301	4-WAY METER VALVE JUNCTION	32	1&quot; DIA. BRASS PIPE X 24" LONG
7	60145	2-WAY PIPE JUNCTION	33	1&quot; DIA. BRASS PIPE X 17&frac12;" LONG
8	60302	3-WAY METER VALVE JUNCTION	34	1&quot; DIA. BRASS PIPE X 25" LONG
9	60279	TEE METER VALVE CALB. "0"	35	1&quot; DIA. BRASS PIPE X 18" LONG
10	60280	TEE METER VALVE CALB. "1"	36	1&quot; DIA. BRASS PIPE X 26&frac12;" LONG
11	60306	ST. METER VALVE CALB. "0"	37	1&quot; DIA. BRASS PIPE X 9" LONG
12	60307	ST. METER VALVE CALB. "1"	38	1&quot; DIA. BRASS PIPE X 9" LONG
13	5875	ANCHOR	39	1&quot; DIA. BRASS PIPE X 12&frac12;" LONG
14	6069B	FERRULE	40	1&quot; DIA. BRASS PIPE X 12" LONG
15	101850	HOSE CONNECTOR	41	1&quot; DIA. BRASS PIPE X 10" LONG
16	6070/5	SHANK	42	1&quot; DIA. BRASS PIPE X 13" LONG
17	120859	1-WAY CLIP	43	1&quot; DIA. BRASS PIPE X 10&frac12;" LONG
18	SBA1202/4	2-BA SCREW	44	1&quot; DIA. BRASS PIPE X 10" LONG
19	102444	BUSHING	45	1&quot; DIA. BRASS PIPE X 17" LONG
20	100840	CONE	46	1&quot; DIA. BRASS PIPE X 10" LONG
21	64995	PRESSURE GAUGE	47	1&quot; DIA. BRASS PIPE X 17&frac12;" LONG
22	102758	ELBOW	48	1&quot; DIA. BRASS PIPE X 14&frac12;" LONG
23	3821	2-WAY CLIP	49	1&quot; DIA. BRASS PIPE X 40&frac12;" LONG
24	7606/3	ST. CONNECTOR	50	1&quot; DIA. BRASS PIPE X 3&frac12;" LONG
25	174300	RUBBER FLEXIBLE X 14&frac12;" LONG	51	1&quot; DIA. BRASS PIPE X 16&frac12;" LONG
26	174300	RUBBER FLEXIBLE X 20" LONG	52	1&quot; DIA. BRASS PIPE X 22&frac12;" LONG
26a	TEC. 1	INTER VIB GEAR ADAPTOR		
26b	TEC. 2	PRESSURE GAUGE ANCHOR		

# PARTS FOR DELIVERY OPERATING AND DELIVERY GRIPPER RAISING MECHANISM



## Part No.

- 22116 Bearing, Gripper Raising "R"
- 22147 Delivery Arm Lever
- 22295 Upper Delivery Gripper Cam Spring
- 22300 Delivery Gripper Cam Lever Spring
- 22623 Delivery Gripper Cam Lever
- 22628 Delivery Arm Crank
- 22684 Delivery Gripper Cam Roller
- 22685 Delivery Gripper Cam Roller Pin
- 22686 Delivery Gripper Cam Connecting Rod Stud, Lower.
- 22687 Stud Gripper Cam Lever
- 22688 Delivery Gripper Cam Connecting Rod Stud, Upper
- 22689 Rod Gripper Raising Cam Connecting Rod, Lower
- 22723 Delivery Connecting Rod Stud, Lower
- 23417 Delivery Connecting Rod Eccentric Stud
- 23784 Cam Gripper Raising, Upper
- 23980 Delivery Connecting Rod



**Page 16 Figure VE centre illustration of delivery assembly applies to American V50.**

**For Models V36 and V45 and British-built Verticals this page applies.**





# NUMERICAL PARTS LIST, Continued

Part No.	Key	Part No.	Key	Part No.	Key	Part No.	Key	Part No.	Key
22895	VA-209	22982	VA-251	23432	VC-88	23664	VB-225	23786	VA-131
22896	VA-217	22983	VA-276	23433	VD-47	23665	VB-72	23788	VF-110
22899	VA-225		VE-187	23440	VA-184	23666	VB-73	23789	VF-90
22902	VA-262	22984	VA-277	23446	VA-196	23670	VB-262	23801	VA-99
22906	VA-270		VE-182	23447	VA-197	23674	VA-295	23802	VA-109
22907	VB-58	22989	VB-260	23452	VA-181	23682	VB-207	23820	VF-46
22908	VB-60	22990	VB-263	23452	VA-181	23683	VB-209	23823	VF-169
22910	VB-59	22995	VB-33	23454	VB-183	23684	VB-219A	23827	VB-105A
22917	VB-175		VA-148	23455	VE-18	23698	VC-35	23828	VB-105
22922	VB-325	23068	VA-317	23456	VE-45	23699	VB-20	23829	VA-57
22924	VB-277	23081	VE-219	23457	VE-19	23700	VF-23	23831	VB-132
22929	VB-188	23084	VA-1	23458	VE-22	23701	VF-21	23834	VF-98
22930	VB-191	23085	VB-153	23459	VE-30	23704	VF-22	23836	VD-29
22931	VB-189	23088	VA-13	23460	VE-23	23705	VA-59	23837	VA-99A
22934	VB-114	23089	VA-15	23461	VD-31	23710	VA-229	23838	VA-102
22935	VB-119	23091	VH-1	23462	VD-17	23710	VA-230	23844	VA-345
22937	VB-109	23097	VI-21	23464	VB-67	23711	VE-43	23859	VB-222
22938	VB-158	23098	VH-23	23489	VA-255	23712	VA-234	23860	VB-208
22939	VB-160	23099	VH-25	23530	VD-57	23713	VA-233	23881	VJ-22
22944	VB-267	23146	VB-121	23538	VB-1	23731	VI-102	23884	VB-126
22945	VB-268	23152	VA-85	23540	VC-67	23733	VB-51	23885	VJ-23
22946	VB-269	23154	VB-131	23570	VH-21	23734	VB-52	23886	VJ-24
22948	VB-251	23172	VA-292	23571	VH-22	23738	VF-76	23888	VE-189
22949	VB-252	23174	VB-156	23572	VH-34	23739	VF-81	23889	VE-194
22950	VB-253	23184	VA-49	23573	VH-35	23740	VF-83	23892	VE-195
22951	VB-212	23185	VA-49A	23574	VH-19	23742	VF-79	23893	VE-199
22952	VB-255	23186	VG-155	23575	VH-20	23743	VF-82	23894	VE-197
22953	VB-258	23190	VB-324	23576	VG-91	23746	VG-11	23895	VE-192
22954	VB-259	23198	VA-104	23582	VC-63	23755	VB-122	23896A	VE-7
22956	VB-261	23311	VB-327A	23594	VD-75	23758	VB-125	A23945	VB-165
22960	VE-186	23344	VA-121	23595	VD-76	23760	VB-115	23945	VB-166
22963	VE-36	23345	VA-218	23608	VC-92	23762	VB-128	23946	VB-167
22964	VE-41	23349	VA-101	23611	VA-175	23765	VB-130	23947	VB-171
22966	VE-42	A22350	VA-167A	23612	VE-188	23766	VB-113	23948	VB-172
22967	VE-39	23405	VB-227		VI-6	23769	VB-124	23949	VB-195
22969	VB-17	23406	VB-329	23644	VI-16	23772	VA-173	23951	VB-161
22970	VE-44	23409	VD-55	23663	VB-224				
22971	VE-35	23431	VB-46						