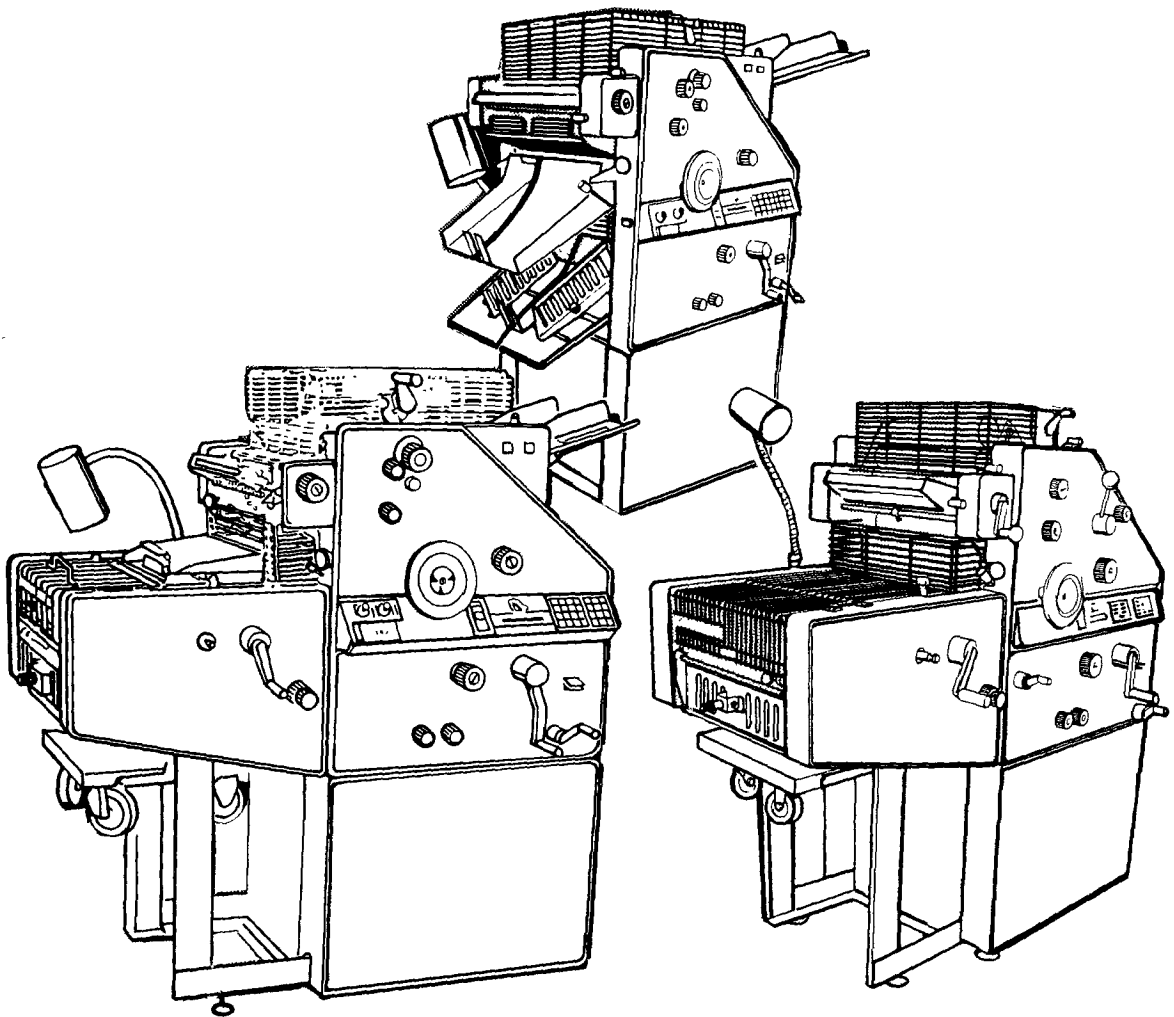


parts catalog



9865/9869/9870

ABDICK

Copyright® ABDICK Company, 1988

P/N 176622

WARNING:

THIS EQUIPMENT MUST BE CONNECTED TO A PROPERLY GROUNDED THREE (3) WIRE OUTLET. FAILURE TO DO SO CREATES A POTENTIAL DANGER OF ELECTRICAL SHOCK.

THE CIRCUIT TO WHICH THIS EQUIPMENT IS CONNECTED MUST BE CURRENT PROTECTED BY A DEVICE WITH SUITABLE CURRENT INTERRUPTION CAPABILITY AS REQUIRED BY UNDERWRITERS LABORATORIES, CANADIAN STANDARDS ASSOCIATION, N.E.M.A. OR LOCAL CODE, WHICHEVER IS THE MOST STRINGENT.

THIS EQUIPMENT MUST NOT BE OPERATED WITH SAFETY COVERS AND/OR ELECTRICAL INTERLOCK SYSTEMS BY-PASSED OR MADE INOPERATIVE.

WHEN SERVICING THIS EQUIPMENT WITH COVERS REMOVED. EXPOSED TERMINALS ARE AN ELECTRICAL HAZARD. CAUTION MUST BE EXERCISED.

WARNING:

THIS EQUIPMENT GENERATES, USES, AND CAN RADIATE RADIO FREQUENCY ENERGY AND, IF NOT INSTALLED AND USED IN ACCORDANCE WITH THE OPERATOR'S MANUAL, MAY CAUSE INTERFERENCE TO RADIO COMMUNICATIONS. IT HAS BEEN TESTED AND FOUND TO COMPLY WITH THE LIMITS FOR A CLASS "A" COMPUTING DEVICE PURSUANT TO SUBPART "J" OF PART 15 OF FCC RULES WHICH ARE DESIGNED TO PROVIDE REASONABLE PROTECTION AGAINST SUCH INTERFERENCE WHEN OPERATED IN A COMMERCIAL ENVIRONMENT. OPERATION OF THIS EQUIPMENT IN A RESIDENTIAL AREA IS LIKELY TO CAUSE INTERFERENCE IN WHICH CASE THE USER AT HIS/HER OWN EXPENSE, WILL BE REQUIRED TO TAKE WHATEVER MEASURES THAT MAY BE REQUIRED TO CORRECT THE INTERFERENCE.

IMPORTANT NOTICE:

THE INFORMATION CONTAINED IN THIS PUBLICATION IS STRICTLY CONFIDENTIAL. NO PART OF THIS DOCUMENT MAY BE REPRODUCED, STORED IN A RETRIEVAL SYSTEM, OR TRANSMITTED, IN ANY FORM OR BY ANY MEANS, ELECTRONIC, MECHANICAL, PHOTOCOPYING, RECORDING, OR OTHERWISE, WITHOUT THE PRIOR WRITTEN PERMISSION OF A.B.DICK COMPANY. FURTHER, THE CUSTODIAN OF THIS DOCUMENT SHALL ENSURE THAT NO PART OF THIS DOCUMENT SHALL BE DISCLOSED OR PERMITTED TO BE DISCLOSED TO ANY THIRD PARTY, OR USED FOR ANY THIRD PARTY, OR USED FOR ANY PURPOSE OTHER THAN THAT FOR WHICH IT IS INTENDED WITHOUT THE PRIOR WRITTEN PERMISSION OF A.B.DICK COMPANY.

NOTE:

USERS OF THIS EQUIPMENT SERVICE DOCUMENT ARE WARNED THAT A.B.DICK SERVICE DOCUMENTS ARE DESIGNED TO BE USED IN CONJUNCTION WITH AN A.B.DICK SERVICE TRAINING CLASS. AN UNTRAINED PERSON USING THIS DOCUMENT, WITHOUT THE BENEFIT OF THE ACCOMPANYING TRAINING, COULD INADVERTENTLY CAUSE DAMAGE TO THE EQUIPMENT AND/OR CAUSE INJURY TO HIMSELF/HERSELF OR OTHERS. USERS OF THIS DOCUMENT ARE ADVISED THAT A.B.DICK COMPANY SHALL NOT BE LIABLE FOR ANY PERSONAL INJURY OR PROPERTY DAMAGE ARISING OUT OF THE USE OF THIS DOCUMENT, BY UNTRAINED PERSONS.

MODEL 9865/69 & 9870 OFFSET DUPLICATOR

GENERAL INFORMATION

NOTE TO USERS OF CATALOG:

The part numbers for all difference in electrical value, have been moved to the bottom portion of that particular index page.

PARTS IDENTIFICATION AND ORDERING INSTRUCTIONS

- I. Order Repair Parts by part number only. Do not order by figure and index numbers.
- II. It is not impossible to have two or more of the same index number with different part numbers. In such cases, please read the full description for your particular needs.
- III. The following symbols and abbreviations are used consistently as aids in identification:
 - A. Symbols
 1. (*) Part of an assembly and not sold separately.
 2. (***) Is used for all other pertinent remarks.
 - B. Abbreviations
 1. O.S. = Operator Side
 2. N.O.S. = Non Operator Side
 3. I.D. = Inside Diameter
 4. O.D. = Outside Diameter
 5. O.A.L. = Overall Length
 6. V. = Volts
 7. Hz. = Cycles Per Second
 8. Amp. = Amperes

MODEL 9865/69 & 9870 OFFSET DUPLICATOR

TABLE OF CONTENTS

<u>Figure</u>	<u>Description</u>	<u>Card</u>	<u>Location</u>
68A	Air and Vacuum Valve Assembly (M-9870)	0-66	B7
68	Air, Vacuum and Shuttle Valves	0-66	B5
14	Aquamatic Control Shaft	0-64	C13
14A	Aquamatic Control Shaft (M-9870)	0-64	D1
12	Aquamatic Lockout Shaft	0-64	C7
12A	Aquamatic Lockout Shaft (M-9870)	0-64	C9
10	Aquamatic - Part I	0-64	C1
11	Aquamatic - Part II	0-64	C3
11A	Aquamatic - Part II (M-9870)	0-64	C5
82	Back Jogger Mechanism - Part I	0-66	D7
83	Back Jogger Mechanism - Part II	0-66	D9
88	Back Stop Chain Delivery	0-66	E5
43	Blanket Cylinder - Part I	0-65	D1
44	Blanket Cylinder - Part II	0-65	D3
39	Blanket Washer - Part I	0-65	C7
40	Blanket Washer - Part II	0-65	C9
42	Blanket Washer Pump	0-65	C13
41	Blanket Washer Solenoid	0-65	C11
54	Buckle Adjusting and Levers	0-65	E9
46	Cam Shaft Assembly	0-65	D7
69	Compressor Assembly	0-66	B9
72	Control Box and Cover	0-66	C1
73	Control Box Divider Assembly	0-66	C3
76	Control Box Harnesses - Part I	0-66	C9

MODEL 9865/69 & 9870 OFFSET DUPLICATOR

TABLE OF CONTENTS

<u>Figure</u>	<u>Description</u>	<u>Card</u>	<u>Location</u>
77	Control Box Harnesses - Part II	0-66	C11
75	Control Box P.C. Boards	0-66	C7
74	Control Box Relay Bracket	0-66	C5
78	Control Box Ribbon Cables	0-66	C13
4	Control Panel	0-64	B3
2	Cover Assemblies	0-64	A13
89	Cover and Frames - Chain Delivery	0-66	E9
62	Delivery Roller and Stripper	0-65	F11
90	Dolly and Frame Assemblies	0-66	E11
85	Dolly Raise Control	0-66	D13
84	Dolly Raise Shaft Assembly	0-66	D11
45	Drive Shaft Assembly	0-65	D5
38	Emergency Stop and Doubles Switches	0-65	C5
16	Etcher Assembly - Part I	0-64	D5
17	Etcher Assembly - Part II	0-64	D7
15	Etcher Bottle and Actuator Shaft	0-64	D3
18	Etcher Solenoid and Motor	0-64	D9
56	Feed Mechanism and Power Link	0-65	E13
55	Feed Solenoid and link	0-65	E11
66	Feed Table and Paper Guides	0-66	B1
57	Feed Table Raising Mechanism	0-65	F1
53	Feed Table Release Lever	0-65	E7
65	Frame - Base and Drive Motor	0-66	A13
36	Frames - Ink Head	0-65	B13

MODEL 9865/69 & 9870 OFFSET DUPLICATOR

TABLE OF CONTENTS

<u>Figure</u>	<u>Description</u>	<u>Card</u>	<u>Location</u>
36A	Frames - Ink Head (M-9870)	0-65	C1
51	Frames - Mid Section	0-65	E3
23A	Form Roller - Lower (M-9870)	0-64	E9
23	Form Rollers and Separator Shaft	0-64	E7
23B	Form Roller Separator Shaft (M-9870)	0-64	E11
24	Form Roller Solenoid Assembly	0-64	F1
23C	Form Roller - Third (M-9870)	0-64	E13
32A	Gap Control - Master Cylinder (M-9870)	0-65	B5
80	Gripper Bar and Chain Assemblies	0-66	D3
63	Hold Down Roller Assembly	0-65	F13
81	Idler Shaft Assembly	0-66	D5
47	Impression Cylinder Assembly	0-65	D9
50	Impression Cylinder Gap Control	0-65	E1
48	Impression Cylinder Shaft and Support Arms	0-65	D11
49	Impression Latch and Feed Solenoid	0-65	D13
19	Ink Feed Solenoid and Ductor Roller	0-64	D11
20	Ink Metering Assembly	0-64	D13
21	Ink Roller Control	0-64	E1
21A	Ink Roller Control (M-9870)	0-64	E3
64	Jam Detector Assembly	0-66	A11
58	Main Tie Bar Assembly - Part I	0-65	F3
59	Main Tie Bar Assembly - Part II	0-65	F5
31	Master Cylinder Assembly	0-65	A11
31A	Master Cylinder Assembly - Part I (M-9870)	0-65	A13

MODEL 9865/69 & 9870 OFFSET DUPLICATOR

TABLE OF CONTENTS

<u>Figure</u>	<u>Description</u>	<u>Card</u>	<u>Location</u>
31B	Master Cylinder Assembly - Part II (M-9870)	0-65	B1
37	Master Cylinder Latch	0-65	C3
32	Master Cylinder Shaft and Support Arms	0-65	B3
33	Master Ejector Assembly	0-65	B7
34	Master Ejector Guide and Stripper	0-65	B9
35	Master Ejector Solenoid Assembly	0-65	B11
25	Master Feed Table and Switch	0-64	F3
26	Master Feeler Switch Assembly	0-64	F5
28	Master Forwarding Unit - Part I	0-64	F9
29	Master Forwarding Unit - Part II	0-64	F11
30	Master Forwarding Unit - Part III	0-64	F13
27	Master Forwarding Solenoid	0-64	F7
14	Master Load Solenoid	0-64	C13
9	Master Receiving Tray	0-64	B13
86	Paper Guides - Chain Delivery	0-66	E1
1	Paper Guides and Mounting Bar	0-64	A11
52	Paper Height Adjustment	0-65	E5
5	Receiving Tray Assembly	0-64	B5
7	Safety Guard - Aquamatic and Ink	0-64	B9
6	Safety Guard - Blanket Cylinder	0-64	B7
87	Safety Guard - Chain Delivery	0-66	E3
88A	Safety Guard - Chain Delivery (M-9870)	0-66	E7
8	Safety Guard - Tray Delivery	0-64	B11
3	Solution Drain Kit	0-64	B1

MODEL 9865/69 & 9870 OFFSET DUPLICATOR

TABLE OF CONTENTS

<u>Page</u>	<u>Description</u>	<u>Card</u>	<u>Location</u>
79	Sprocket Shaft and Paper Guides	0-66	D1
60	Sucker Foot Assembly	0-65	F7
67	Tubing	0-66	B3
61	Vacuum Make and Break Control	0-65	F9
13	Waver, Oscillating and Rider Rollers	0-64	C11
22	Waver Roller Assembly	0-64	E5
71	Wire Harnesses - N.O.S.	0-66	B13
70	Wire Harnesses - O.S.	0-66	B11
91	Worklight Assembly	0-66	E13

C

C

C

parts catalog...

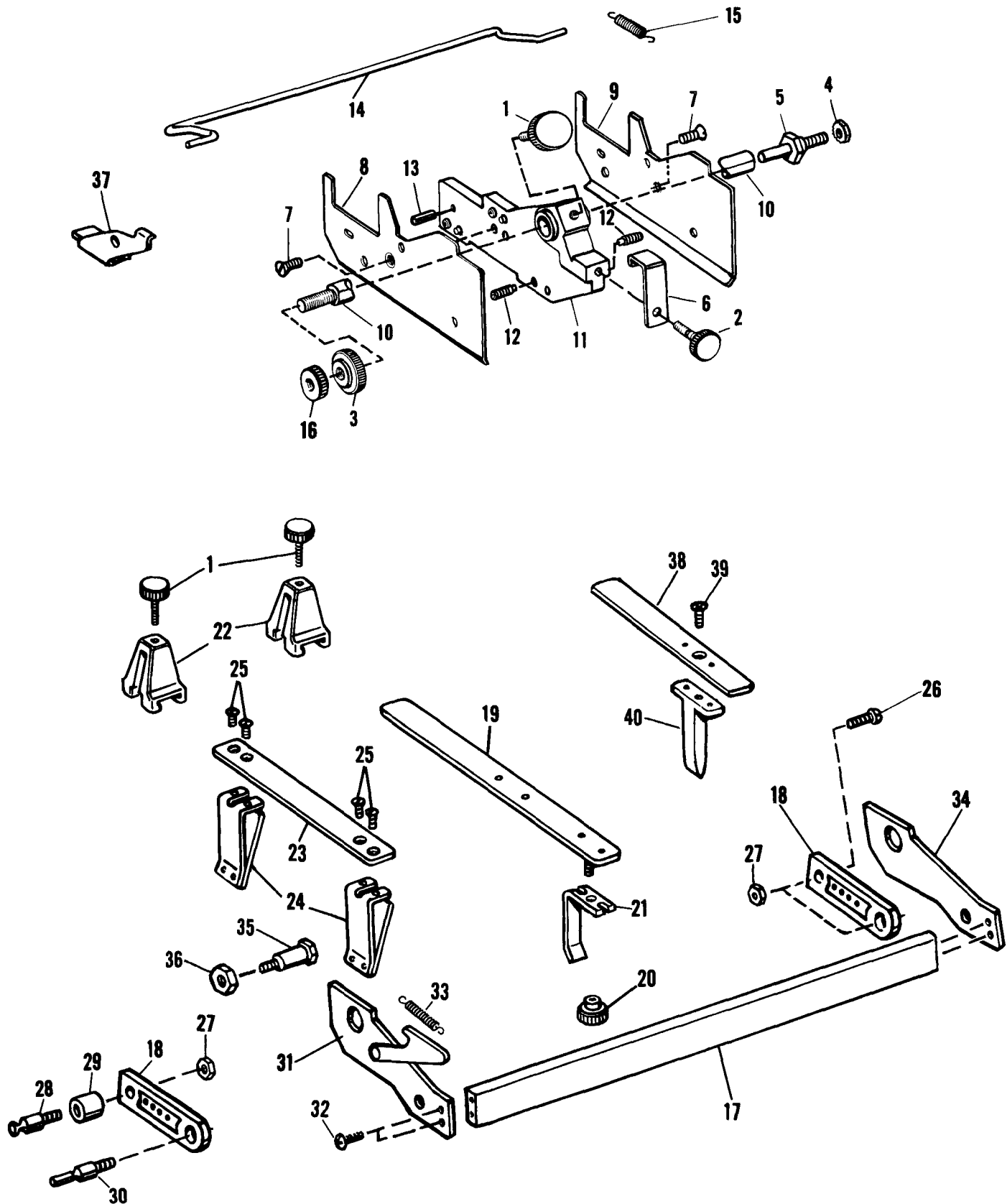


FIGURE 1 - MODEL 9865/9869
Paper Guides and Mounting Bar

parts catalog...

Index No.	Part No.	MODEL 9865/9869 - Figure 1 Description	Units Per Assy.
1	073394	KNOB - Lock, 1/4-28 x 5/8 (M-9870)	3
2	075890	KNOB - Lock, 1/4-28 x 1-1/32 (M-9870)	1
3	075887	KNOB - Dual Micro Guide, 3/8-24 (M-9870)	1
4	150085	NUT - 1/4-28 (M-9870)	1
5	194897	STUD - Adjusting (M-9870)	1
6	075888	PLATE - Retainer (M-9870)	1
7	100583	SCREW - 1/4-28 x 1/2 (M-9870)	2
8	075884	PLATE - O.S., Micro Guide (M-9870)	1
9	075885	PLATE - N.O.S., Micro Guide (M-9870)	1
10	007862	SHAFT - Micro Guide (M-9870)	1
11	075883	BRACKET - Micro Guide Adjustment Assembly (M-9870)	1
12	100177	SCREW - Set, 1/4-28 x 1/2 6	6
13	100579	PIN - Roll, .199 O.D. x .640 O.A.L. 1	1
14	007661	PAPER WEIGHT - Standard 1	1
14	007809	PAPER WEIGHT - Light Weight 1	1
15	072511	SPRING - .250 O.D. x 1.125 O.A.L. 1	1
16	196171	KNOB - Dual Micro Guide, 3/8-24 (M-9870)	1
17	008038	BAR - Mounting, Long 1	1
18	076893	STOP - Paper Guides 2	2
19	007689	PLATE - Center 2	2
20	072292	NUT - Thumb, 1/4-20 2	2
21	073467	GUIDE - Back, Stock Retainer 2	2
22	073385	CLAMP - Adjusting 3	3
23	073469	PLATE - Retainer, Spring 1	1
24	073472	SPRING - Guide Retainer 2	2
25	014225	SCREW - 8-32 x 1/4 4	4
26	111075	SCREW - 1/4-28 x 7/8 2	2
27	150085	NUT - 1/4-28 4	4
28	072197	STUD 1	1
29	195367	SPACER - 7/16 O.D. x .255 I.D. 4	4
30	196231	ANCHOR - Spring, 1 15/32 O.A.L. 1	1
31	076890	PLATE - Side, O.S. 1	1
32	111055	SCREW - 10-32 x 9/16 4	4
33	192142	SPRING - 1.000 O.A.L. 1	1
34	076889	PLATE - Side, N.O.S. 1	1
35	195140	NUT - Adapter 1	1
36	014807	NUT - 1/4-28 1	1
37	076887	BRACKET - Stop 1	1
38	073463	PLATE - Side Guide 1	1
39	014171	SCREW - 10-32 X 3/4 1	1
40	073464	GUIDE - Side, Stock Retainer 1	1

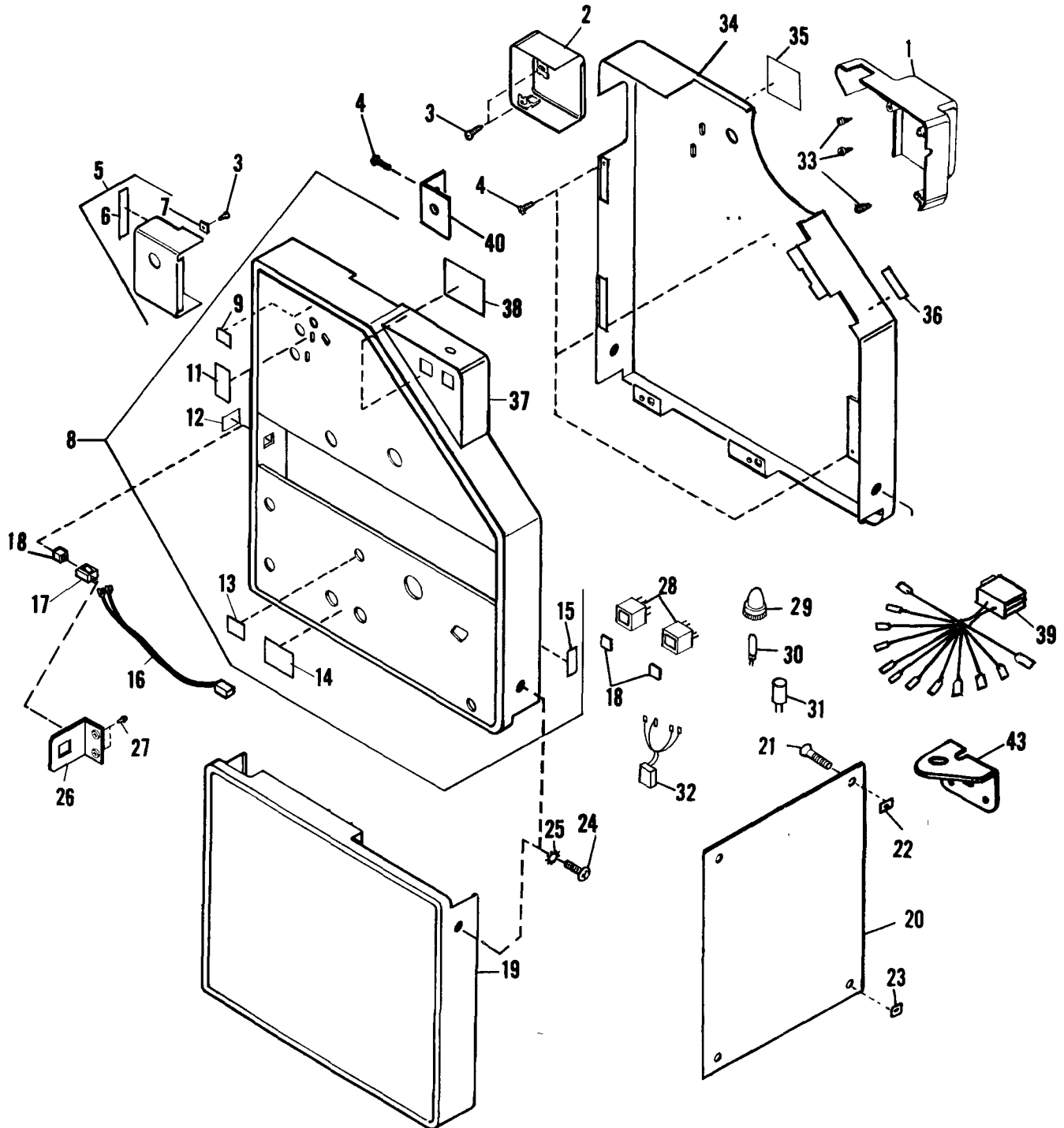


FIGURE 2 - MODEL 9865/9869
Cover Assemblies

parts catalog

Index No.	Part No.	MODEL 9865/9869 - Figure 2 Description	Units Per Assy.
1	025522	COVER - Motor, Etcher	1
2	025184	COVER ASSEMBLY - Ink, N.O.S. (M-9865/69)	1
2	017539	COVER ASSEMBLY - Ink, N.O.S. (M-9870)	1
3	014311	SCREW - 8-15 X 5/8	8
4	001631	SCREW - 10-32 X 7/16 (M-9865/69)	6
4	001259	SCREW - 10-16 X 1/2	1
5	017537	COVER ASSEMBLY - Ink, O.S.	1
6	017541	DECAL - Ink	1
7	001884	NUT - Speed, #8 (M-9865/69)	2
7	101144	NUT - Speed, #10	2
8	025175	COVER ASSEMBLY - O.S. (1st Design M-9865/69)	1
8	087808	COVER ASSEMBLY - O.S. (M-9865/69)	1
8	087814	COVER ASSEMBLY - O.S. (M-9870)	1
9	017090	DECAL - Water Control	1
11	025187	DECAL - Form Rollers (M-9865/69)	1
11	017093	DECAL - Form Rollers	1
12	017018	DECAL - Feed (Aux.) On/Off, O.S.	1
13	017090	DECAL - Buckle	1
14	017092	DECAL - Air/Vac.	1
15	017605	DECAL - Paper hight Regulator	1
16	025475	HARNESS - Feed, On/Off, Chute	1
17	253002	SWITCH - Feed	1
18	253031	LENS - Cap, Feed	3
19	017528	COVER ASSEMBLY - Lower O.S. (1st Design M-9865/69)	1
19	087830	COVER ASSEMBLY - Lower O.S. (M-9865/69 & M-9870)	1
20	016315	PANEL - Rear, Flat	1
21	101494	SCREW - 1/4-28 X 5/8	4
22	101981	NUT - Speed, U Type .180	2
23	101982	NUT - SPEED, U Type .276	2
24	196222	SCREW - Painted, 10-32 x 5/8	8
25	100485	WASHER - LOCK, Countersunk #10	8
26	017140	BRACKET ASSEMBLY - Switch, Chute	1
27	111070	SCREW - 1/4-28 X 7/16 Chute	2
28	253472	SWITCH - 4PDT Momentary, Inch	2
29	253562	LENS CAP - RED	1
30	253563	LAMP - 6.3 V.	1
31	253561	HOUSING - Lamp	1
32	025528	HARNESS - Inch, Inhibit	1
33	001631	SCREW - 10-32 X 7/16	3
34	025181	COVER ASSEMBLY - Top N.O.S. (1st Design M-9865/69)	1
34	087809	COVER ASSEMBLY - Top N.O.S. (M-9865/69)	1
34	087811	COVER ASSEMBLY - Top N.O.S. (M-9870)	1
35	084126	DECAL - Form Roller	1
36	013267	DECAL - Blanket Washer	1
37	025536	COVER ASSEMBLY - Etcher, O.S.	1
38	025188	DECAL - Inching	1
39	025459	HARNESS - Fwd/Rev, Switch (M-9865)	1
39	025364	HARNESS - Fwd/Rev, Switch (M-9869)	1
40	083648	BRACKET - Angle	1
41	017094	DECAL - Operation Control, (Not Illustrated) (M-9870)	1
42	017172	PLUG - Hole 1" Painted, (Not Illustrated) (M-9870)	1
43	022838	BRACKET - Mounting, Alarm Light (M-9870)	1

parts catalog

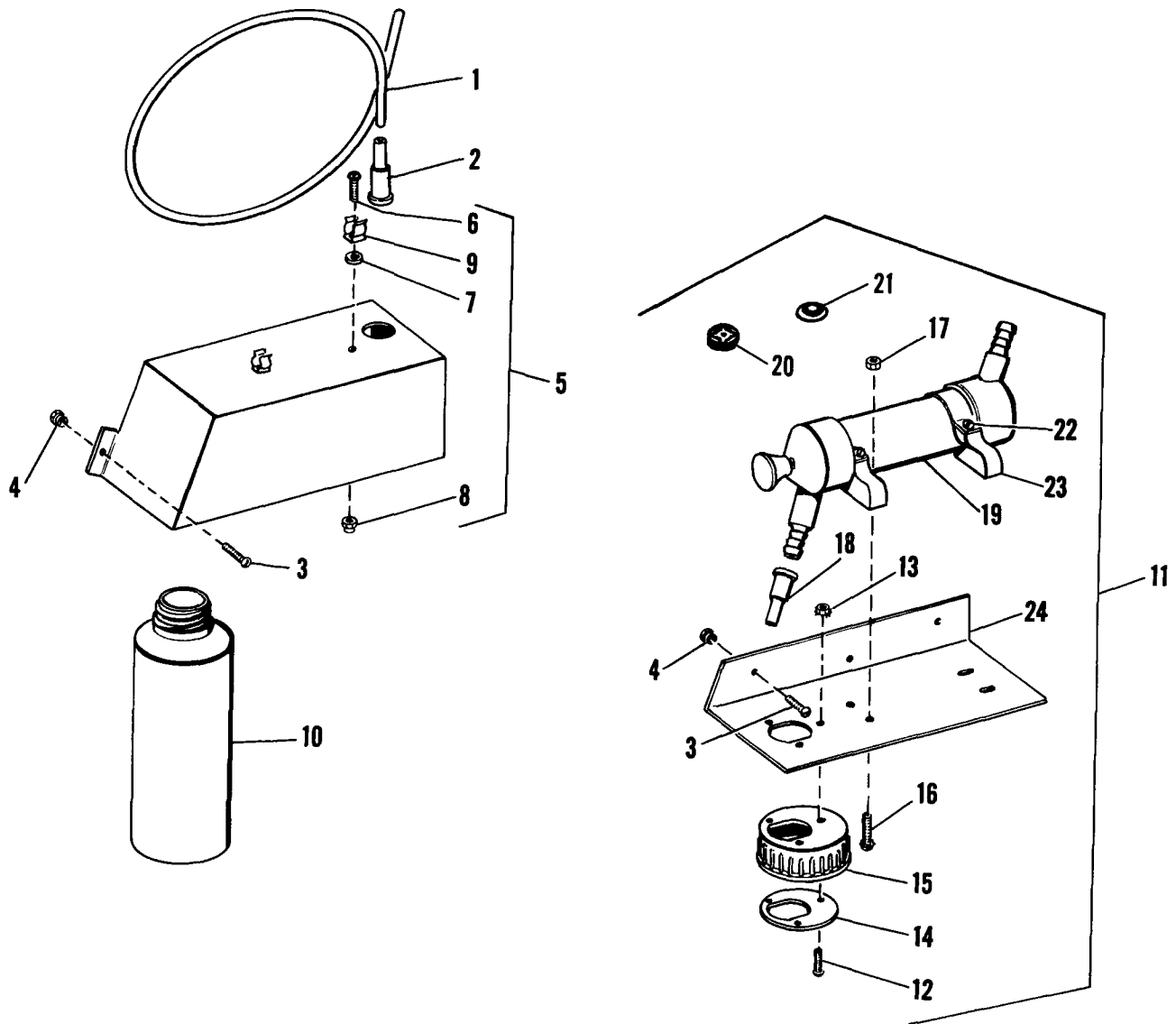


FIGURE 3 - MODEL 9865/9869
Solution Drain Kit

parts catalog

Index No.	Part No.	MODEL 9865/9869 - Figure 3 Description	Units Per Assy.
0	***	SOLUTION DRAIN KIT ACCESSORY	1
1	012962	HOSE	1
2	012961	ADAPTER -Hose	1
3	001603	SCREW - 10-32 X 3/8	5
4	014837	NUT - 10-32	5
5	011411	COVER ASSEMBLY	1
6	100188	SCREW - 5-40 X 3/8	2
7	100335	WASHER - Lock, .136 I.D. X .255 O.D. X .023	2
8	101195	NUT - 5-40	2
9	080839	CLIP - Hose Retaining	2
10	012963	BOTTLE - PLASTIC	1
11	011410	PUMP AND BASE ASSEMBLY	1
12	110246	SCREW - 8-32 X 5/16	3
13	014811	NUT - 8-32	3
14	012959	PLATE	1
15	012958	COVER	1
16	100450	SCREW - 10-32 X 9/16	4
17	001812	NUT - 10-32	4
18	012961	ADAPTER - Hose	1
19	012960	HAND PUMP ASSEMBLY	1
20	013580	DIAPHRAGM	1
21	013581	REGULATOR - Flow Control	1
22	193616	SCREW - 10-24 X .475	4
23	013582	BRACKET	2
24	011409	BASE	1
	***	Kit Available As 1-3691-C	

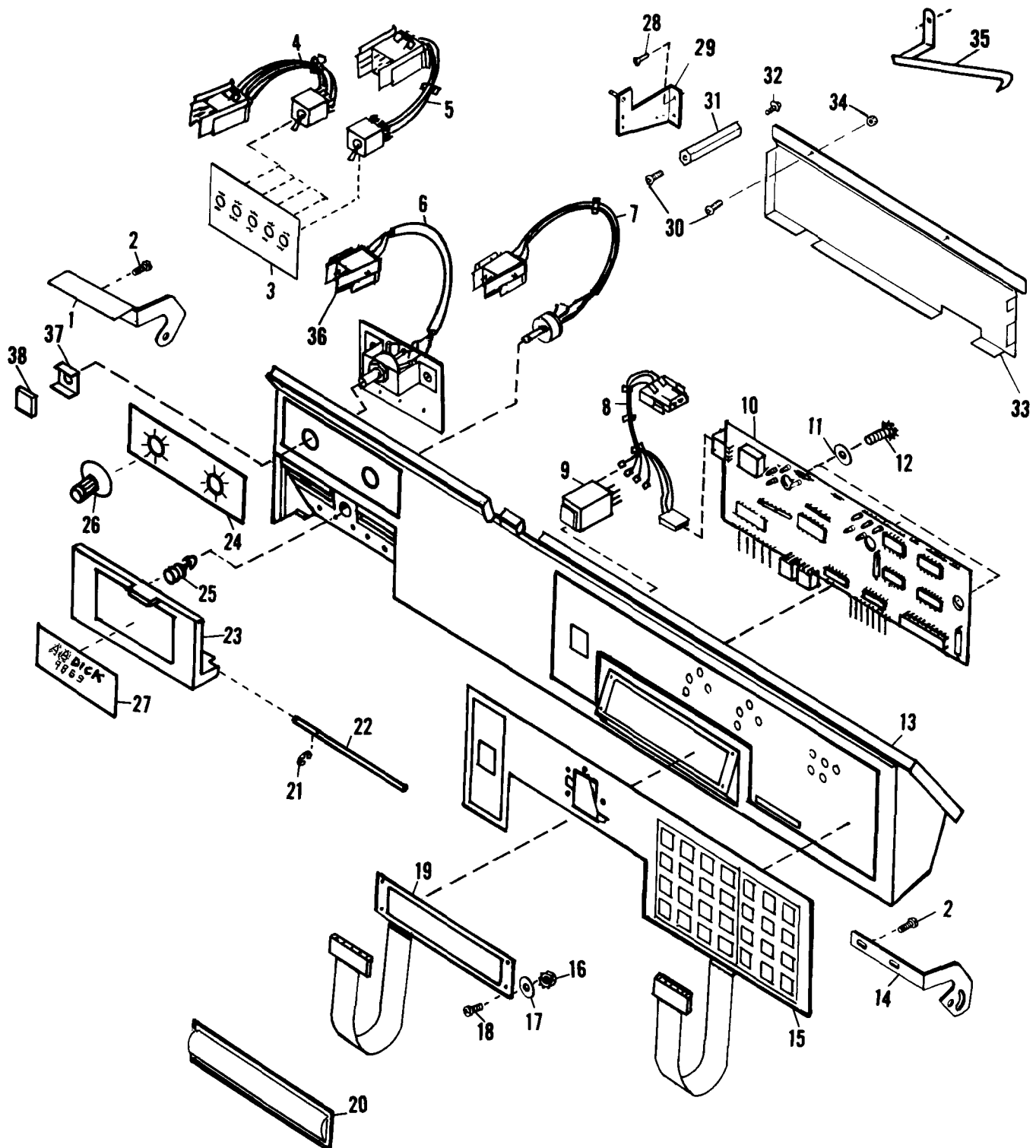


FIGURE 4 - MODEL 9865/9869
Control Panel

parts catalog...

Index No.	Part No.	MODEL 9865/9869 - Figure 4 Description	Units Per Assy.
1	016895	BRACKET - Hinge	1
2	001279	SCREW - #8 X 1/2	4
3	025141	LABEL - SWITCH (M-9865/69)	1
4	025357	SWITCH ASSEMBLY - Manual Over - Ride (M-9865/69)	4
5	025358	SWITCH ASSEMBLY - Manual Print Control (M-9865/69)	1
6	025525	POTENTIOMETER ASSEMBLY - SPEED CONTROL (M-9865/69)	1
6	022797	SWITCH ASSEMBLY Speed (Not Illustrated) (M-9870)	2
7	025370	POTENTIOMETER ASSEMBLY - ETCHER CONTROL (M-9865/69)	1
8	025363	HARNESS - Guard Reset (M-9865/69)	1
8	022831	HARNESS - Guard Reset (M-9870)	1
9	253551	SWITCH - Pushbutton, Lighted SPDT	1
10	008156	PC BOARD ASSEMBLY	1
11	014797	WASHER - Plain, .172 I.D. x .375 O.D. x .029	3
12	001661	SCREW - 8-32 X 5/16	3
13	025135	PANEL - Control (M-9865/69)	1
13	022751	PANEL - Control (M-9870)	1
14	017799	BRACKET - Hinge	1
15	025138	MEMBRANE - Switch Panel (M-9865/69)	1
15	022753	MEMBRANE - Switch Panel (M-9870)	1
16	100228	NUT - 4-40	4
17	191800	WASHER - Plain, 1/8 I.D. X 5/16 O.D. X 1/32	4
18	101570	SCREW - 4-40 X 1/2	4
19	025359	LCD ASSEMBLY	1
20	025139	BEZEL - LCD	1
21	014507	RING - Retaining (1/8 shaft)	1
22	025137	SHAFT - Pivot	1
23	025136	COVER - Control Panel	1
24	025140	LABEL - Potentiometer (M-9865/69)	1
24	022796	LABEL - Speed (M-9870)	1
25	101758	FASTENER - TreeLock	1
26	253471	KNOB (M-9865/69)	2
27	025417	NAME PLATE - 9865	1
27	008145	NAME PLATE - 9869	1
27	022777	NAME PLATE (M-9870)	1
28	001220	SCREW - 10-32 X 3/8	4
29	017797	BRACKET - Pivot, Left	1
29	017163	BRACKET - Pivot, Right (Not Illustrated)	1
30	112652	SCREW - 8-32 X 9/16	3
31	196262	SPACER	2
32	111054	SCREW - 10-32 X 1/2	2
33	025142	COVER - PC Board	1
34	150081	NUT - 8-32	1
35	016896	BRACKET - Cable (M-9870)	1
36	253387	HOUSING - Socket, 4 Pin (M-9865/69)	1
36	253383	HOUSING - Socket, 2 Pin (M-9870)	2
37	253832	GUARD - Switch Protection, (M-9870)	2
38	253830	CAP - Switch Lens, Green (M-9870)	1
38	253831	CAP - Switch Lens, Yellow (M-9870)	1

parts Catalog...

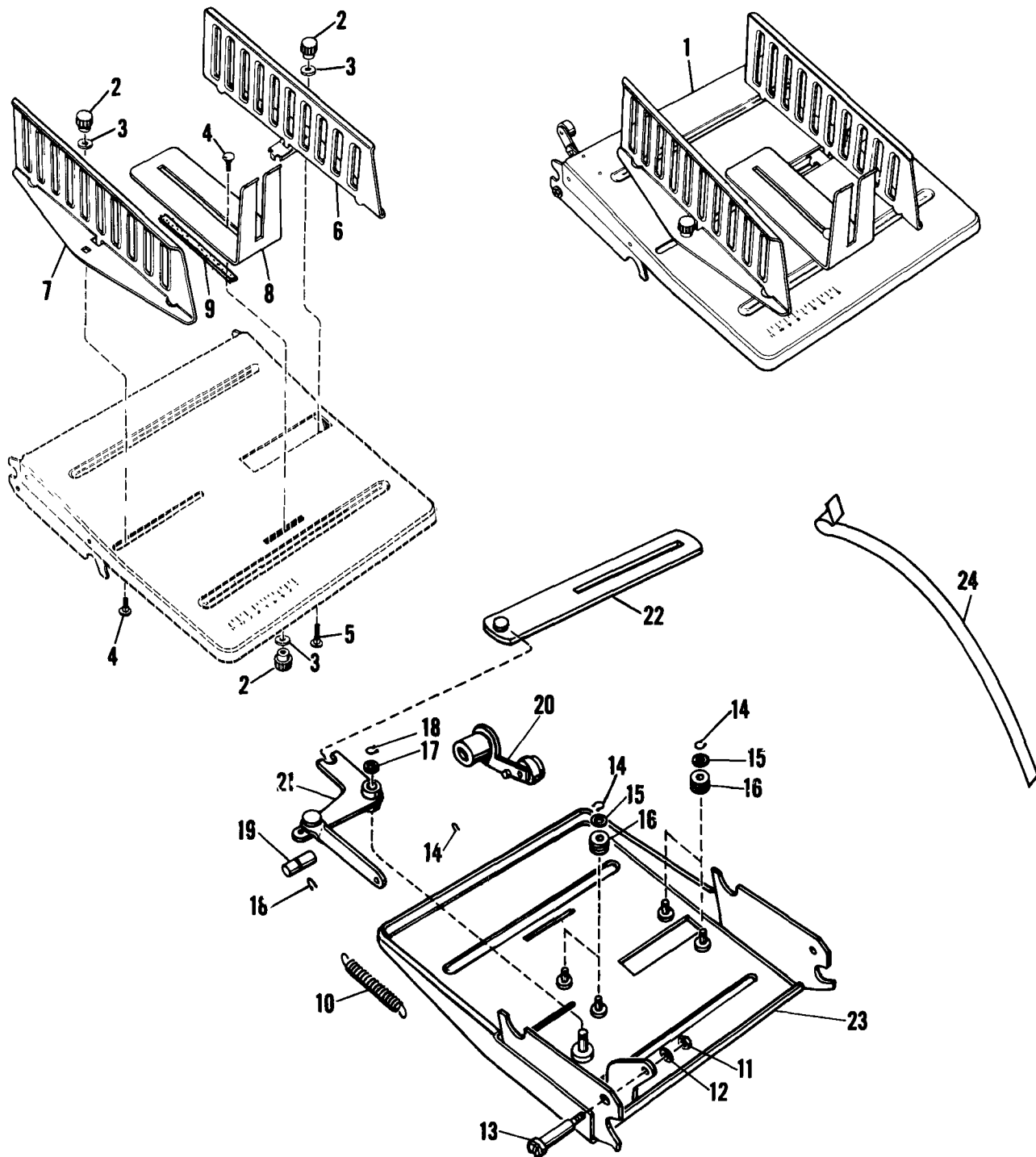


FIGURE 5 - MODEL 9865/9869
Receiving Tray Assembly

parts catalog

Index No.	Part No.	MODEL 9865/9869 - Figure 5 Description	Units Per Assy.
1	017676	RECEIVING TRAY ASSEMBLY (9865)	1
2	072757	KNOB - Paper Back Stop and Guide	3
3	191297	WASHER - FIBER, .354 I.D. X 5/8 O.D. X 1/8	3
4	014169	SCREW - 1/4-20 X 1/2	2
5	014170	SCREW - 1/4-20 X 7/8	1
6	072767	PAPER GUIDE ASSEMBLY - R.H.	1
7	072765	PAPER GUIDE ASSEMBLY - L.H.	1
8	072763	BACK STOP - Paper	1
9	066238	FELT - Stripping	2
10	072544	SPRING - .406 O.D. X 3.125 O.A.L.	1
11	001812	NUT - 10-32	1
12	022621	WASHER - .197 I.D. X .500 O.D. X .094	1
13	072795	SCREW - 10-32 X 3/8	1
14	001049	RING - Retaining, .227 O.D. X .027	5
15	006675	WASHER - .253 I.D. X .500 O.D. X .020	4
16	072774	RAM TRUCK - Receiving Tray Ram	4
17	014703	WASHER - .384 I.D. X .562 X .029	1
18	001047	RING - Retaining, .340 I.D. X .027	2
19	072796	BUSHING	1
20	072784	TRUCK AND LEVER ASSEMBLY	1
21	072775	CRANK AND LINK ASSEMBLY	1
22	007694	RAM - Receiving Tray	1
23	017677	RECEIVING TRAY	1
24	010364	TRAY BAIL	1

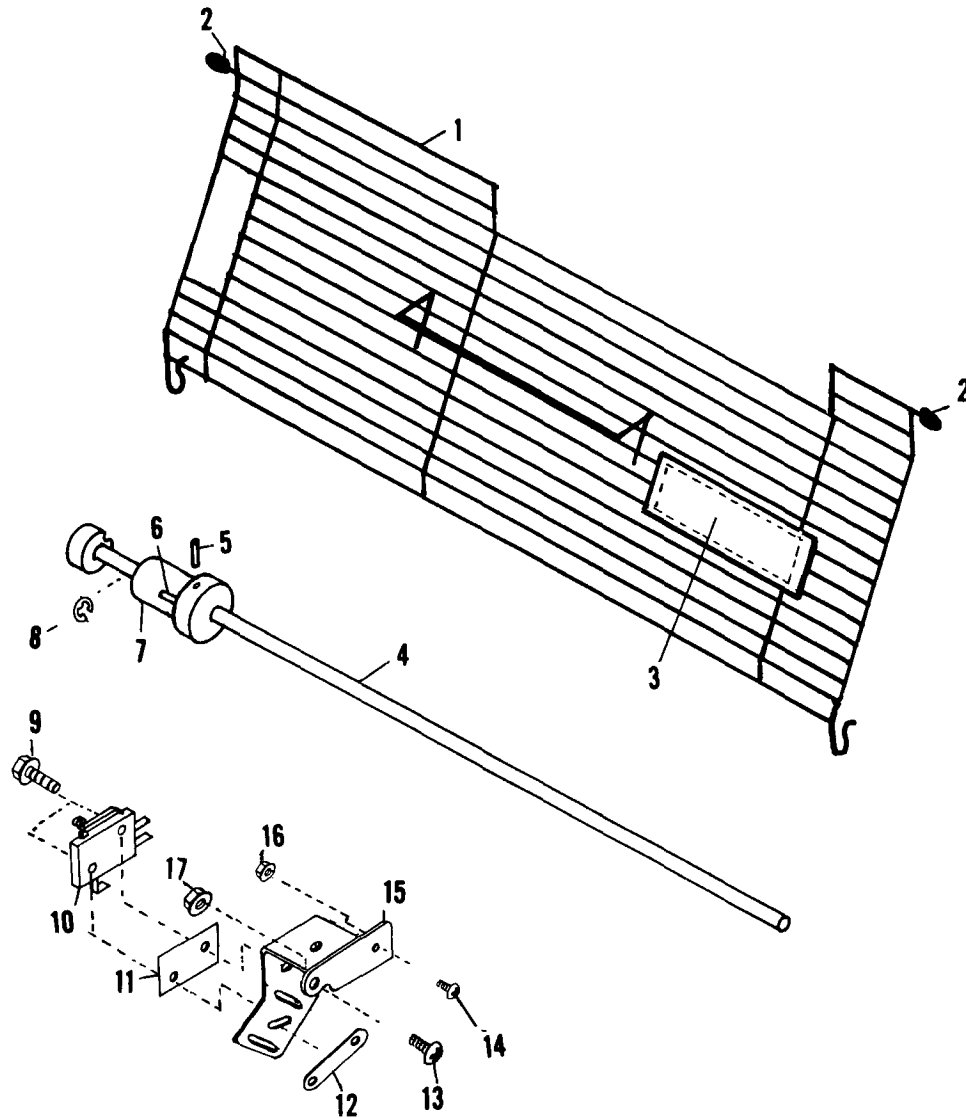


FIGURE 6 - MODEL 9865/9869
Safety Guard - Blanket Cylinder

parts catalog

Index No.	Part No.	MODEL 9865/9869 - Figure 6 Description	Units Per Assy.
1	025384	GUARD ASSEMBLY - Blanket (M-9865/69)	1
1	022834	GUARD ASSEMBLY - Blanket (M-9870)	1
2	101944	BUMPER	2
3	072258	DECAL - Warning	1
4	025387	SHAFT ASSEMBLY	1
5	000009	PIN - Taper, .094 O.D. X 3/4 O.A.L.	1
6	032868	PIN - Roll, 1/8 O.D. X 7/16 O.A.L.	1
7	195146	SPACER - .752 O.A.L.	1
8	001060	RING - Retaining, .208 I.D.	1
9	111006	SCREW - 4-40 X 9/16	2
10	253545	SWITCH - Micro, SPDT	1
11	006917	INSULATION - Switch	1
12	190555	NUTPLATE - 4-40	1
13	001594	SCREW - 1/4-28 X 1/2	1
14	001555	SCREW - 10-32 X 1/2	1
15	025386	BRACKET - Switch	1
16	150083	NUT - 10-32	1
17	150085	NUT - 1/4-28	1

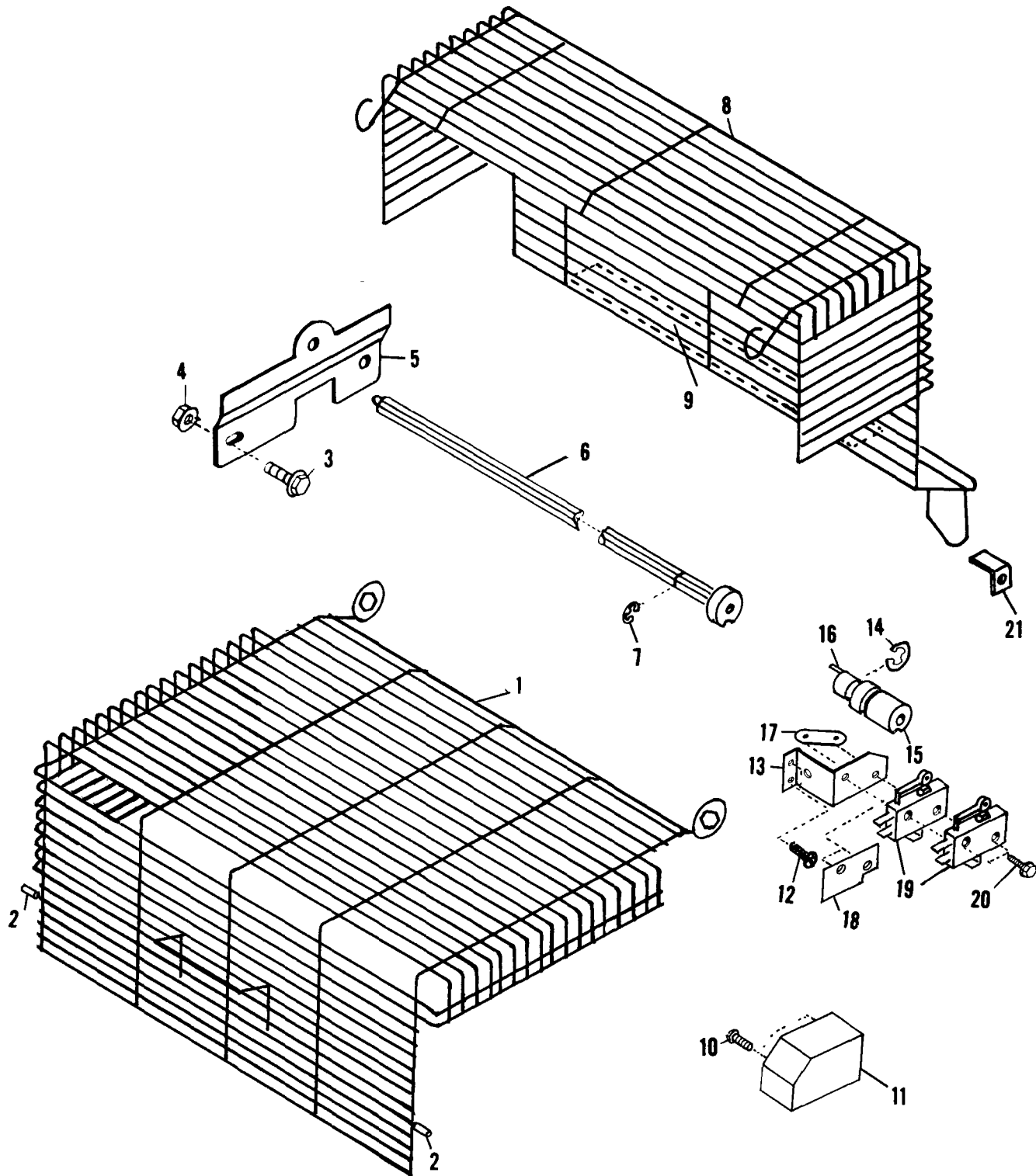


FIGURE 7 - MODEL 9865/9869
Safety Guard - Aquamatic and Ink

parts catalog...

Index No.	Part No.	MODEL 9865/9869 - Figure 7 Description	Units Per Assy.
1	025377	GUARD - Aqumatic, M-9865/69	1
1	010411	GUARD - Aqumatic (M-9870)	1
2	195145	SLEEVE	2
3	111070	SCREW - 1/4-28 X 7/16	2
4	150085	NUT - 1/4 X 28	2
5	010378	BRACKET - O.S.	1
5	010379	BRACKET - N.O.S. (Not Illustrated) (M-9870)	1
6	018314	SHAFT - Guard	1
7	001060	RING - Retaining, .208 I.D.	1
8	018151	GUARD - Ink, M-9865/69	1
8	010423	GUARD - Ink (M-9870)	1
9	076897	DECAL	1
10	001129	SCREW - 6-32 X 5/16	2
11	025378	COVER ASSEMBLY - Switch, M-9865/69	1
11	010388	COVER ASSEMBLY - Switch (M-9870)	1
12	001543	SCREW - 8-32 X 3/16	2
13	025380	BRACKET - Switch, M-9865/69	1
13	010405	BRACKET - Switch (M-9870)	1
14	001073	RING - Retaining, .577 I.D.	1
15	010389	CAM ASSEMBLY - Guard	1
16	014921	PIN - Roll, 1/8 X 7/8	1
17	190555	NUTPLATE - 4-40 M-9865/69	1
17	190731	NUTPLATE - 6-32 (M-9870)	1
18	190557	INSULATOR - M-9865/69	1
18	010342	INSULATOR (M-9870)	2
19	253545	SWITCH - Micro, SPDT M-9865/69	2
19	253822	SWITCH - Micro, SPDT (M-9870)	2
20	111011	SCREW - 4-40 X 1-1/8 M-9865/69	2
20	101983	SCREW - 6-32 X 1-5/8 (M-9870)	3
21	016197	SUPPORT - Guard (M-9870)	2

010389 Cam Assembly
~~024567~~ Cam Assembly
 025667 6 on back order
 1-800-553-3507
 PARTS
 1274
 BOB HOOES

0196822

parts Catalog...

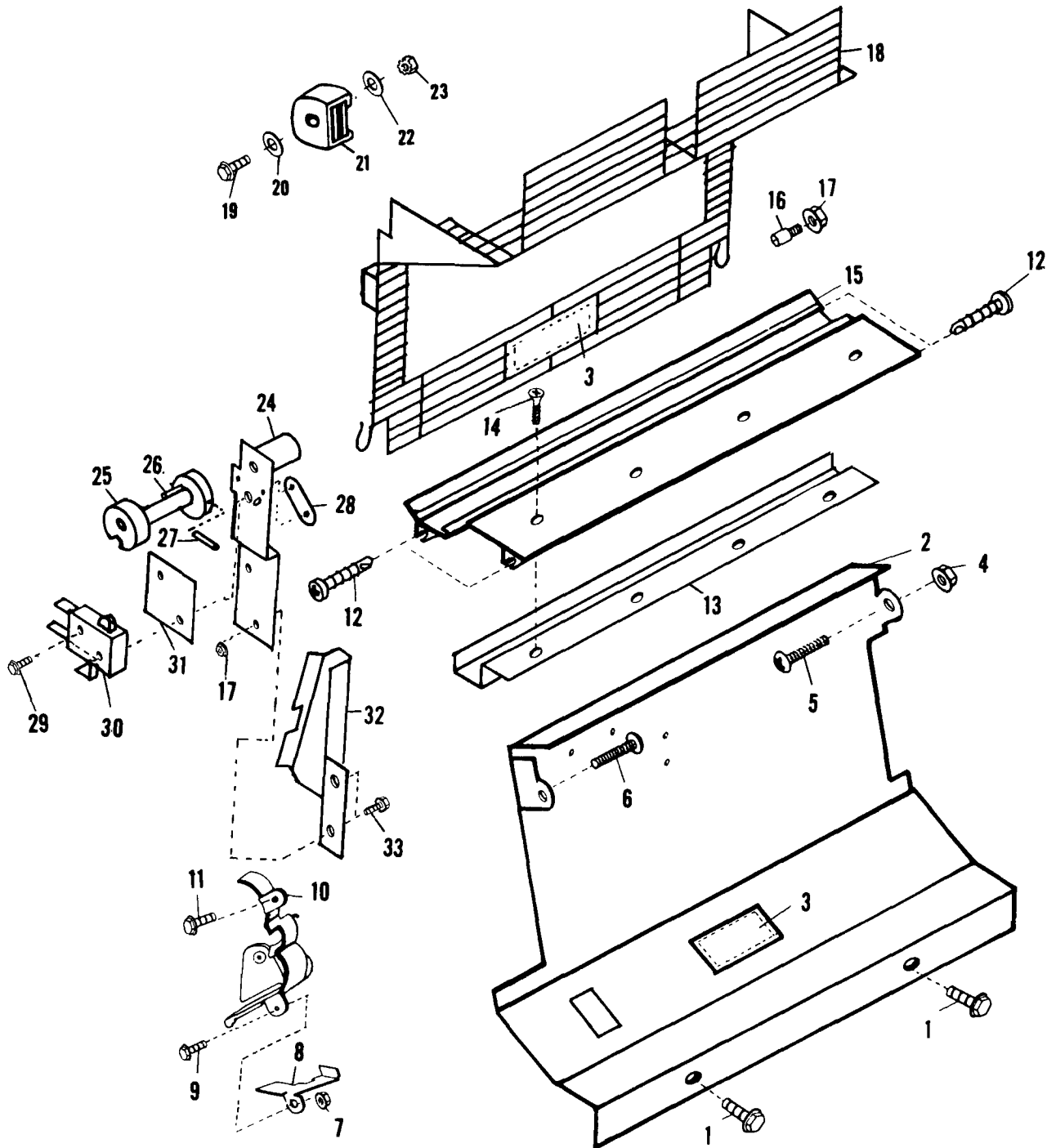


FIGURE 8 - MODEL 9865/9869
Safety Guard - Tray Delivery

parts catalog...

Index No.	Part No.	MODEL 9865/9869 - Figure 8 Description	Units Per Assy.
1	101494	SCREW - 1/4-20 X 5/8	2
2	016318	GUARD - Tray	1
3	076898	DECAL	1
4	150085	NUT - 1/4-28	1
5	100657	SCREW - 10-32 X 5/8	1
6	001575	SCREW - 10-32 X 5/16	1
7	014248	NUT - 10-32	2
8	072051	SHIELD	1
9	111058	SCREW - 10-32 X 7/8	1
10	076869	GUARD - Rear	1
11	111054	SCREW - 10-32 X 1/2	1
12	101976	SCREW - 1/4-20 X 3/4	4
13	025472	COVER ASSEMBLY - Harness	1
14	111034	SCREW - 8-32 X 3/8	4
15	025470	GUARD - Delivery Roller	1
16	074717	STUD	1
17	150083	NUT - 10-32	3
18	025411	GUARD - Impression	1
19	111060	SCREW - 10-32 X 1 1/8	2
20	015490	WASHER - .190 I.D. X 5/8 O.D.	2
21	076835	CATCH - Magnetic	2
22	073544	SPACER	2
23	014808	NUT - 1/4-28	2
24	025423	BRACKET ASSEMBLY - Switch	1
25	010402	ACTUATOR ASSEMBLY - Impression Guard	1
26	032868	PIN - ROLL, 1/8 X 7/16 O.A.L.	1
27	000009	PIN - Taper .110 O.D. X 3/4 O.A.L.	1
28	190555	NUTPLATE - 4-40	1
29	111006	SCREW - 4-40 X 9/16	2
30	253545	SWITCH - Micro, SPDT	1
31	006917	INSULATION - Switch	1
32	025474	COVER - Harness	1
33	111055	SCREW - 10-32 X 9/16	2

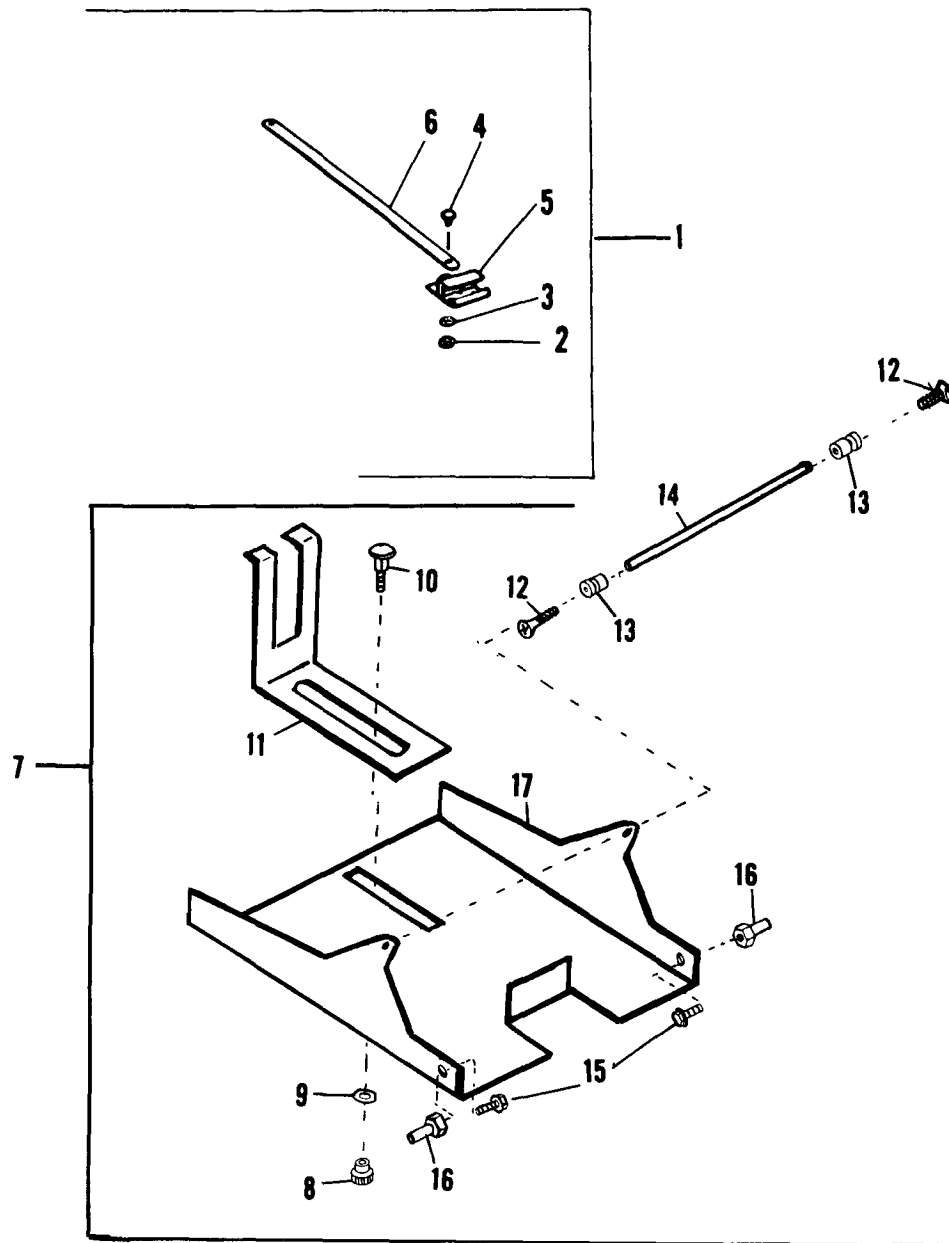


FIGURE 9 - MODEL 9865/9869
Master Receiving Tray

parts catalog

Index No.	Part No.	MODEL 9865/9869 - Figure 9 Description	Units Per Assy.
1	025412	TRAY BAIL ASSEMBLY	1
2	014507	RING - Retaining, .095 I.D. X .019	1
3	001747	WASHER - .128 I.D. X .375 O.D. X .029	1
4	072756	STUD - Shoulder	1
5	025414	BRACKET - Tray Bail	1
6	025413	TRAY BAIL	1
7	025406	TRAY ASSEMBLY - Master Receiving (M-9865)	1
8	072757	KNOB	1
9	191297	WASHER - .256 I.D. X .625 O.D. X .063	1
10	014169	SCREW - 1/4-20 X 1/2	1
11	072763	BACKSTOP	1
12	101760	SCREW - 8-32 X 7/8	2
13	025408	SPACER - Flanged	2
14	025409	TIE ROD	1
15	111034	SCREW - 8-32 X 3/8	2
16	064764	PIN	2
17	025407	TRAY - Master Receiving (M-9865)	1

parts catalog

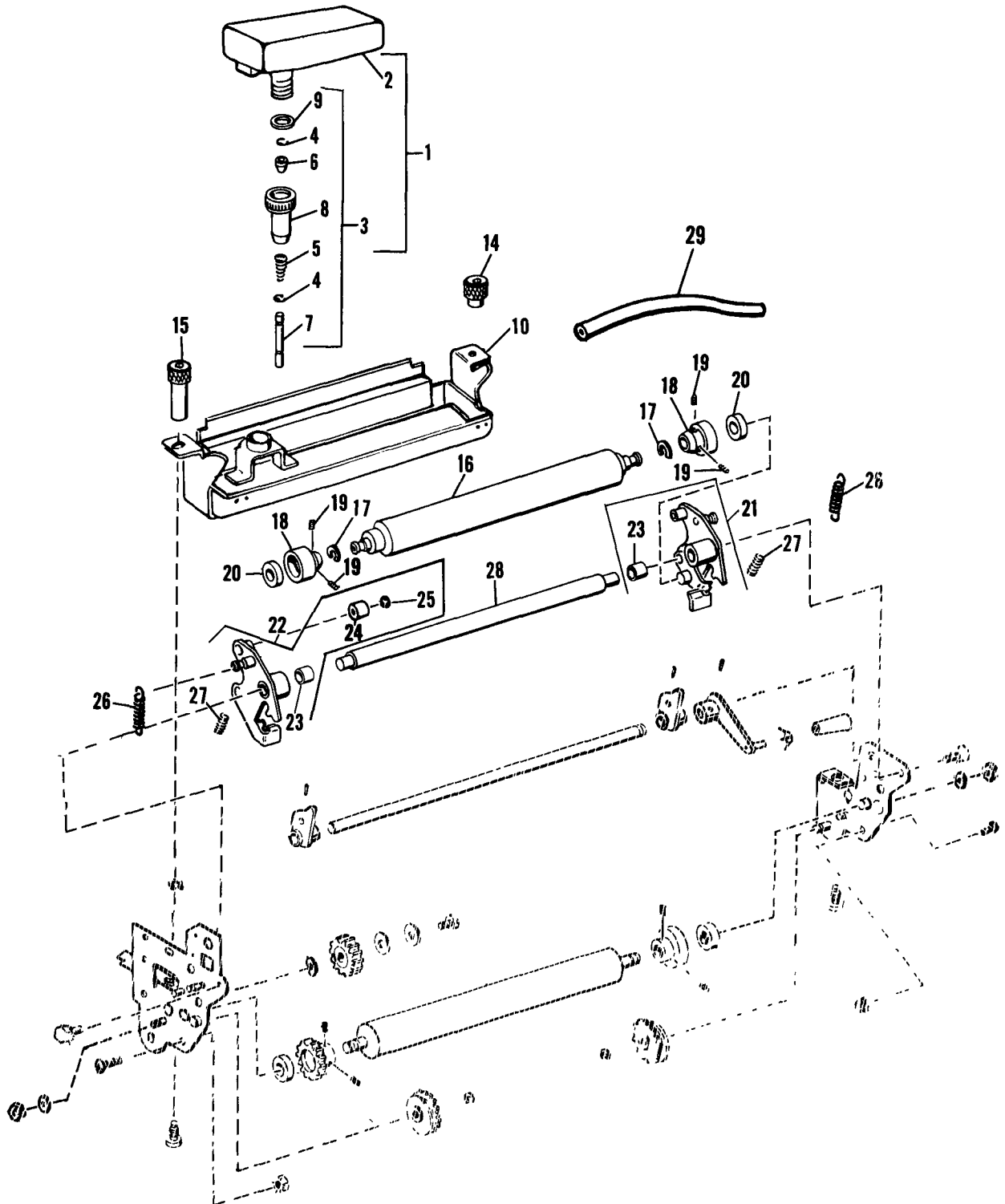


FIGURE 10 - MODEL 9865/9869
Aquamatic - Part I

parts catalog

Index No.	Part No.	MODEL 9865/9869 - Figure 10 Description	Units Per Assy.
1	***	BOTTLE ASSEMBLY - Repellant	1
2	012141	BOTTLE - Repellant	1
3	017747	VALVE ASSEMBLY - Repellant	1
4	014507	RING - Retaining, .095 I.D. X .019	2
5	073308	SPRING - Special	1
6	040868	SEAL - Bottle Cap	1
7	080536	PIN - Valve	1
8	017820	CAP - Bottle	1
9	080583	WASHER - Bottle Cap	1
10	025244	TROUGH ASSEMBLY - Aquamatic, (M-9865/69)	1
10	007653	TROUGH ASSEMBLY - Aquamatic	1
14	013820	KNOB - O.S. (M-9865/69)	1
14	080581	KNOB	2
15	012673	KNOB - N.O.S. (M-9865/69)	1
16	007668	ROLLER - Ductor, Rubber (M-9865/69)	1
16	007859	ROLLER - Ductor, Stainless Steel	1
17	014518	RING - Retaining, Plastic, .389 I.D.	2
18	080504	HOUSING - Roller Bearing	2
19	014372	SCREW - SET, 10 - 32 X 1/4	4
20	080505	BEARING - Roller	2
21	080539	CARRIER ASSEMBLY - O.S.	1
22	080541	CARRIER ASSEMBLY - N.O.S.	1
23	001416	BUSHING - .504 I.D. X .627 O.D.	2
24	064059	ROLLER	2
25	001096	RING - RETAINING, .198 I.D.	2
26	073542	SPRING - Tension, 1.312 O.A.L.	2
27	073540	SPRING - COMPRESSION, 1.500 O.A.L.	2
28	007684	TIE BAR - Carrier	1
29	191586	HOSE - Drain, Trough	1
	***	Not Salable As An Assembly	

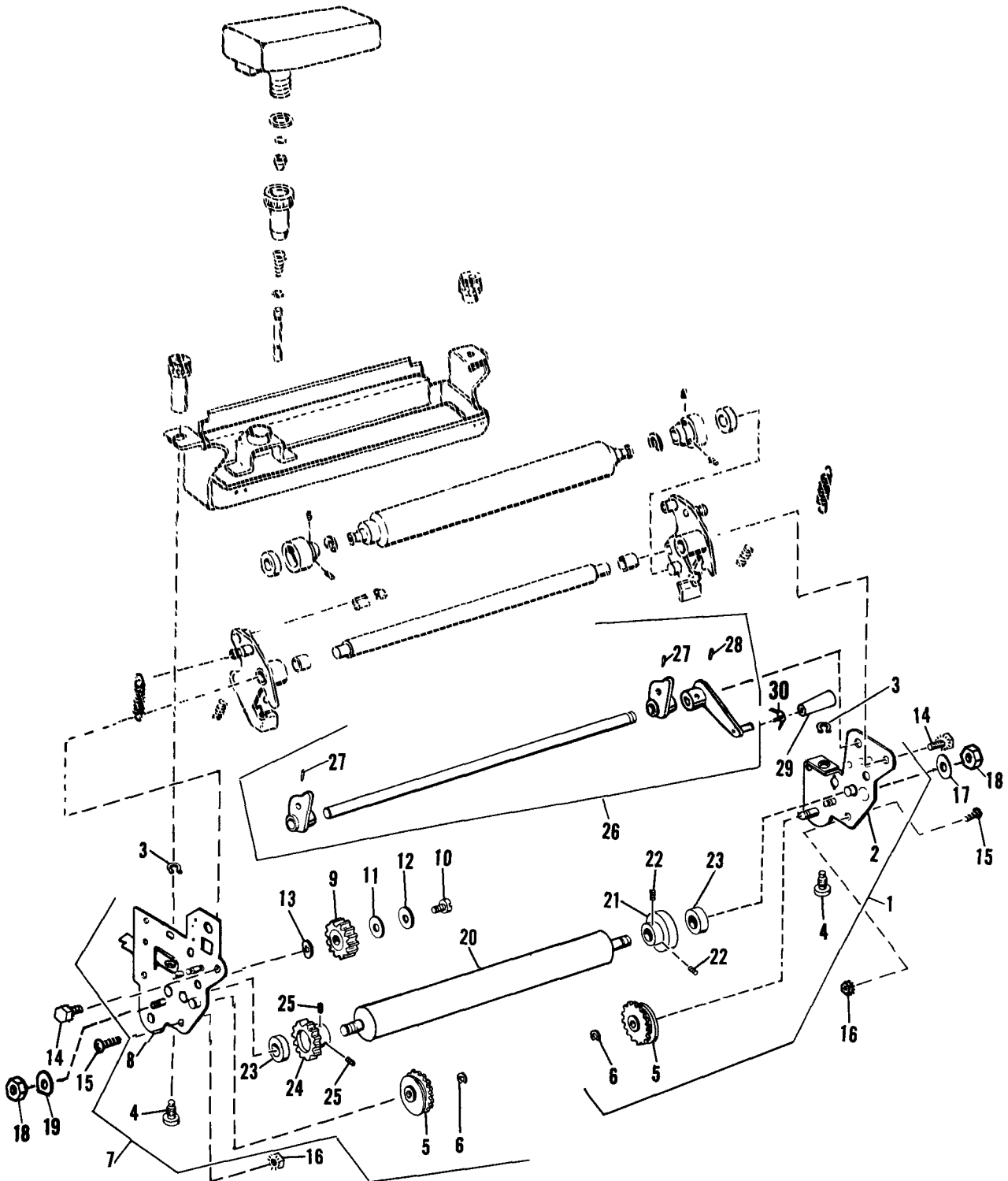


FIGURE 11 - MODEL 9865/9869
Aquamatic - Part II

parts catalog

Index No.	Part No.	MODEL 9865/9869 - Figure 11 Description	Units Per Assy.
1	013421	FRAME ASSEMBLY - O.S.	1
2	013386	PLATE - Frame, O.S.	1
3	001099	RING - Retaining, .283 I.D.	2
4	080524	SCREW - Trough Mounting	2
5	012422	GEAR ASSEMBLY - Ductor	2
6	001080	RING - Retaining, .302 I.D.	2
7	025381	FRAME ASSEMBLY - N.O.S.	1
8	025382	PLATE - FRAME, N.O.S.	1
9	082050	GEAR - Drive	1
10	064189	SCREW - 8-32 X 5/32	1
11	001750	WASHER - .328 I.D.	1
12	004074	WASHER - .320 I.D.	1
13	001772	WASHER - Spring, .328 I.D.	1
14	111089	SCREW - 5/16-24 X 5/8	2
15	111073	SCREW - 1/4-28 X 5/8	4
16	150085	NUT - 1/4-28	4
17	191173	WASHER - .255 I.D.	1
18	003578	NUT - 1/4-20	2
19	191384	WASHER - Special, .255 I.D.	1
20	025247	ROLLER - Repellant	1
21	080591	HOUSING - Repellant Roller Bearing	1
22	014372	SCREW - Set, 10-32 X 1/4	2
23	080505	BEARING - Roller	2
24	080599	GEAR - Repellant Roller	1
25	014390	SCREW - Set, 1/4-28 X 1/4	2
26	017707	SHAFT ASSEMBLY - Aquamatic Control	1
27	195396	PIN - Taper, .097 O.D.	2
28	001978	PIN - Roll, .135 O.D.	1
29	011371	KNOB - Control Lever	1
30	072052	SPRING - Lock	1

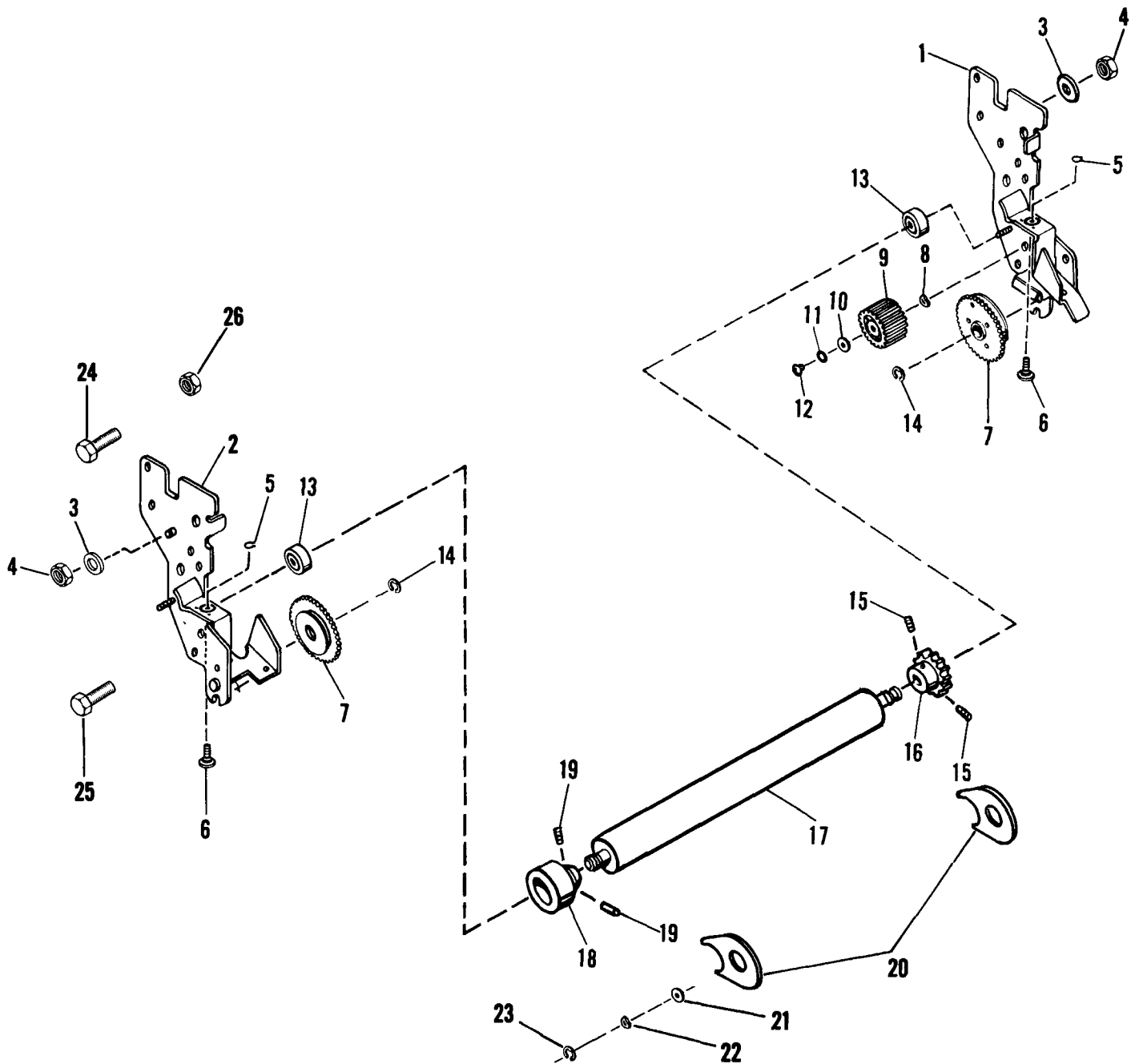


FIGURE 11A - MODEL 9870
Aquamatic - Part II

parts catalog

Index No.	Part No.	MODEL 9870 - Figure 11A Description	Units Per Assy.
1	007966	FRAME - N.O.S.	1
2	010148	FRAME - O.S.	1
3	191384	WASHER - .255 I.D.	2
4	003578	NUT - 1/4-20	2
5	001099	RING - Retaining, .283 I.D.	2
6	080524	SCREW - Shoulder	2
7	012422	DUCTOR GEAR ASSEMBLY	2
8	001772	WASHER - Spring, .382 I.D.	1
9	082050	GEAR	1
10	001750	WASHER - .328 I.D.	1
11	004074	WASHER - 9/16 I.D.	1
12	064189	SCREW - Lock	1
13	080505	BEARING	2
14	001080	RING - Retaining, .302 I.D.	2
15	014390	SCREW - Set, 1/4-28 x 1/4	2
16	080599	GEAR	1
17	007856	ROLLER - Rubber	1
18	080591	HOUSING - Bearing	1
19	014372	SCREW - Set, 10-32 x 1/4	2
20	080979	SHIELD - Aquamatic,	2
21	195086	WASHER - Stainless Steel, .513 I.D. x 1.000 O.D.	2
22	195087	WASHER - Stainless Steel Spring, .520 I.D.	2
23	101870	RING - Retaining, Stainless Steel .456 I.D.	2
24	111073	SCREW - 1/4-28 x 5/8	2
25	111074	SCREW - 1/4-28 x 3/4	2
26	150085	NUT - 1/4-28	2

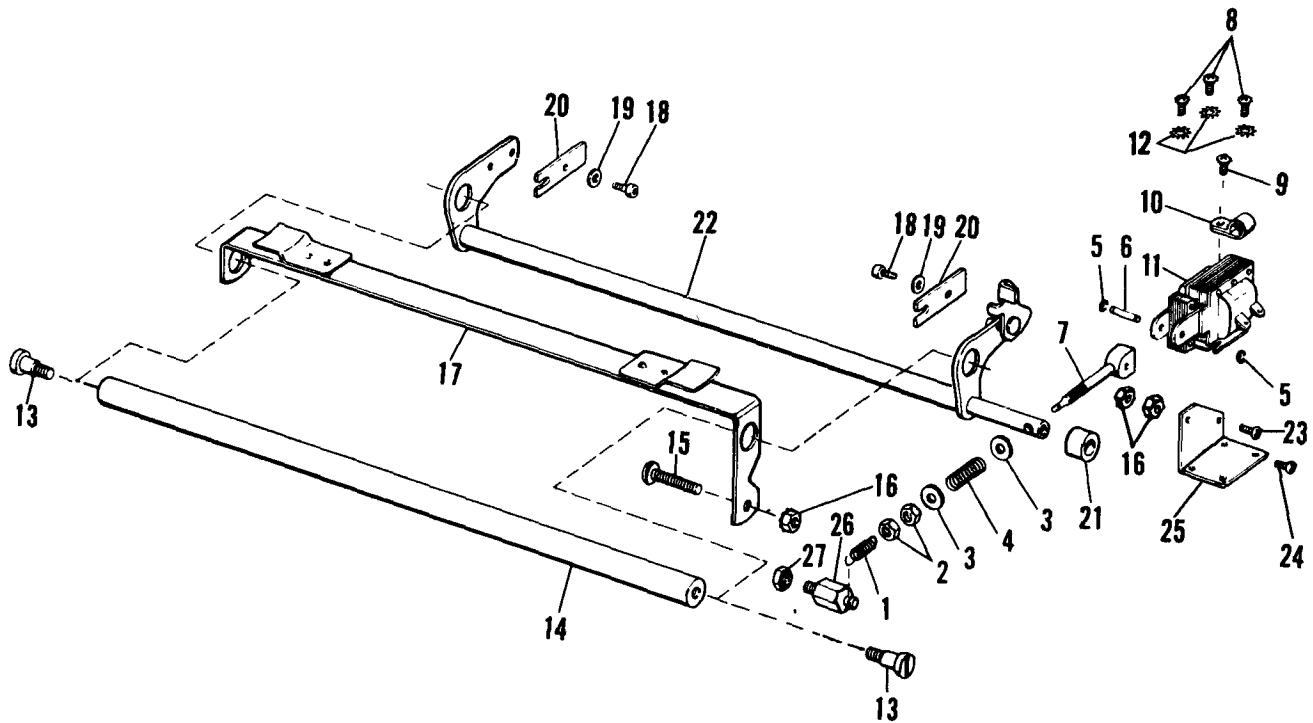


FIGURE 12 - MODEL 9865/9869
Aquamatic Lockout Shaft

parts catalog...

Index No.	Part No.	MODEL 9865/9869 - Figure 12 Description	Units Per Assy.
1	031307	SPRING - .222 O.D. X .656 O.A.L. X .020	1
2	001812	NUT - 10-32	2
3	001702	WASHER - .195 I.D. X .500 O.D. X .031	2
4	004256	SPRING - Compression, .260 O.D. X .750 O.A.L. X .026	1
5	014515	RING - Plastic	2
6	075058	PIN - Solenoid	1
7	075645	ROD - Plunger	1
8	100820	SCREW - 6-32 X 1/4	3
9	100369	SCREW - 6-32 X 7/16	1
10	100483	CLAMP - Cable	1
11	075039	SOLENOID - 120 V.A.C. 50/60 HZ.	1
12	001729	WASHER - LOCK, #6	3
13	193601	SCREW - Shoulder	2
14	008024	TIE BAR	1
15	111077	SCREW - 1/4-28 X 1 1/4	1
16	150085	NUT - 1/4-28	3
17	007582	REST ASSEMBLY - Roller	1
18	014350	SCREW - 10-32 X 5/16	4
19	021861	WASHER - .196 I.D. X .437 O.D. X .047	4
20	073524	SLIDE - Lockout	2
21	075643	SPACER - .400 I.D. X .625 O.D. X .406	1
22	017793	SHAFT ASSEMBLY - Ductor Lockout	1
23	101086	SCREW - Button Hd., 1/4-28 X 3/4	1
24	111074	SCREW - 1/4-28 X 3/4	1
25	084418	BRACKET - Solenoid	1
26	075644	STUD - Spring	1
27	014808	NUT - 10-32	1

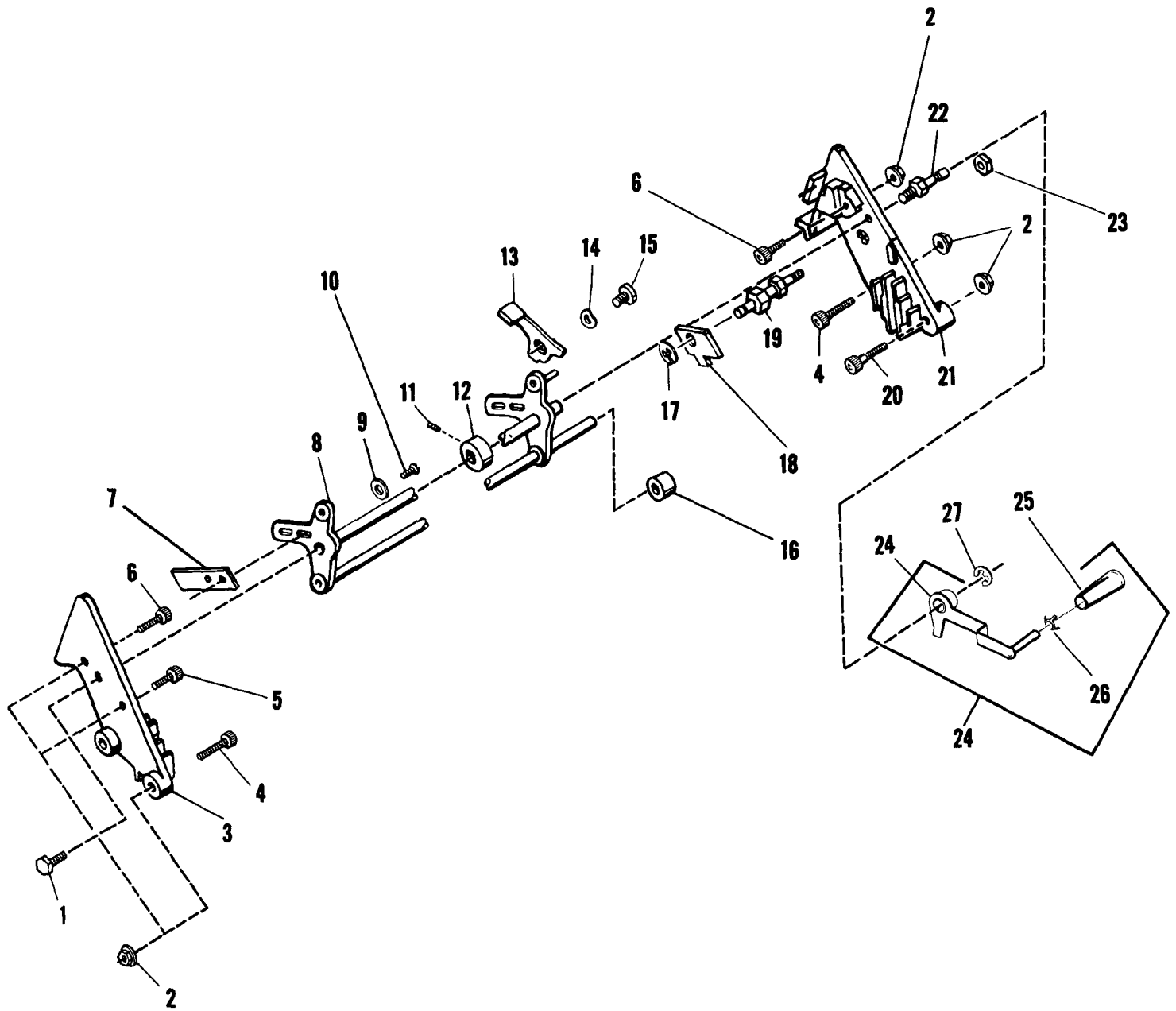


FIGURE 12A - MODEL 9870
Aquamatic Lockout Shaft

parts catalog...

Index No.	Part No.	MODEL 9870 - Figure 12A Description	Units Per Assy.
1	193601	SCREW - Shoulder, 5/16-24	1
2	150085	NUT - 1/4-28	6
3	078628	BRIDGE - Ink, N.O.S.	1
4	100815	SCREW - 1/4-28 x 1-1/4	3
5	100653	SCREW - 1/4-28 x 3/4	2
6	014234	SCREW - 1/4-28 x 1.000	2
7	078638	SLIDE - Adjusting	2
8	078669	LEVER ASSEMBLY	1
9	021861	WASHER - .196 I.D. x .437 O.D.	4
10	014350	SCREW - 10-32 x 5/16	4
11	014372	SCREW - Set, 10-32 x 1/4	1
12	063206	COLLAR	1
13	082421	LEVER - Toggle	1
14	014745	WASHER - Spring, .342 I.D. x .630 O.D.	1
15	063087	SCREW - Shoulder, 10-32	1
16	195681	SPACER	1
17	001060	RING - Retaining, .208 I.D.	2
18	078646	STOP - Lever	2
19	195686	STUD - 10-32	2
20	100814	SCREW - 1/4-28 x 1 1/2	1
21	078626	BRIDGE - Ink, O.S.	1
22	078660	STUD - Pivot, 5/16-24	1
23	014808	NUT - 10-32	2
24	017704	LEVER ASSEMBLY	1
25	011371	HANDLE	1
26	072052	LOCK - Spring	1
27	001095	RING - Retaining, .245 I.D.	1

parts catalog...

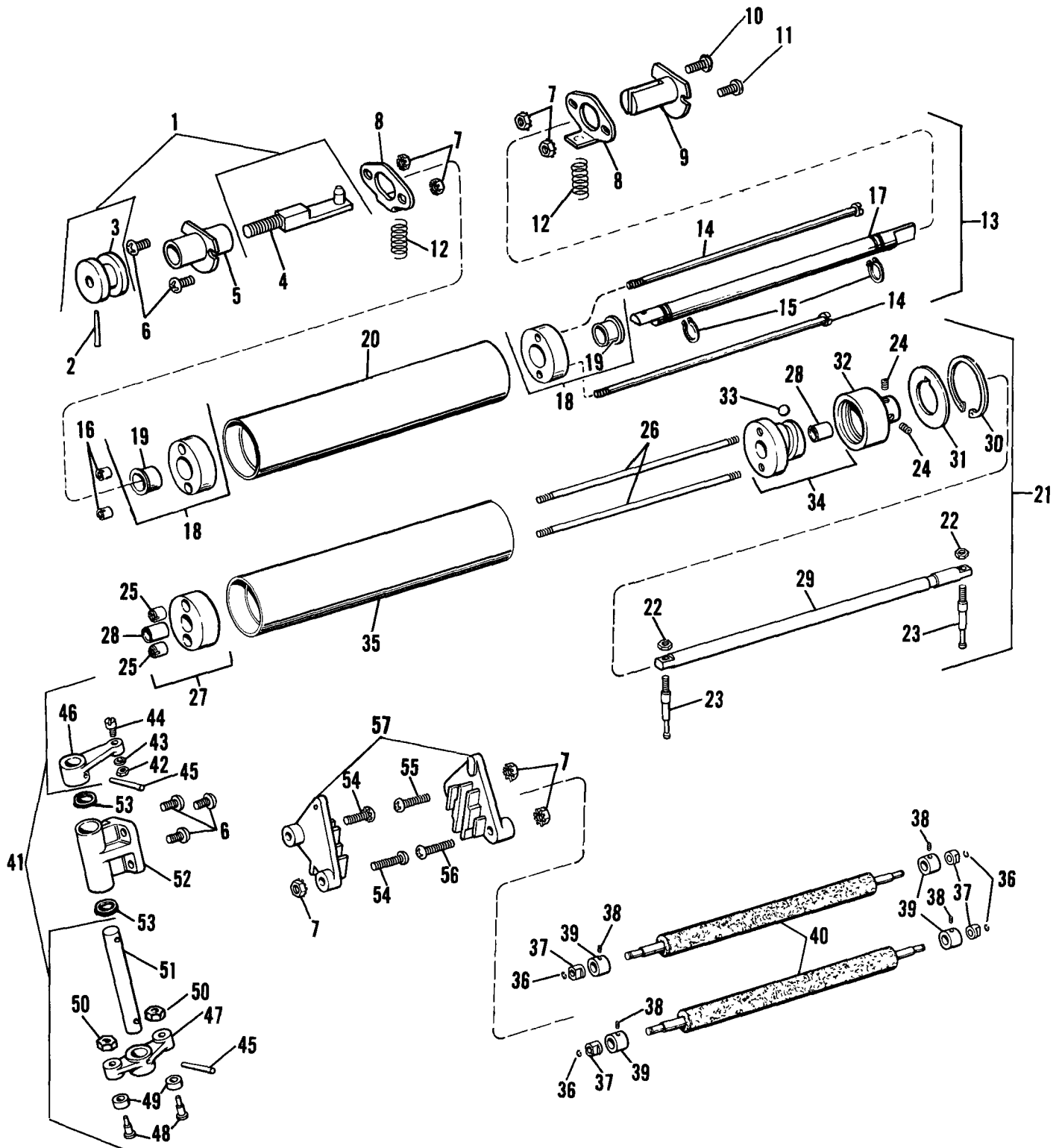


FIGURE 13 - MODEL 9865/9869
Waver, Oscillating and Rider Rollers

parts catalog...

Index No.	Part No.	MODEL 9865/9869 - Figure 13 Description	Units Per Assy.
1	073011	COUPLE ASSEMBLY - Waver Roller	1
2	000014	PIN - Tapper, .147 O.D. X 1.127	1
3	*073014	ROLLER - Couple	1
4	*073012	SHAFT - Couple	1
5	084413	GUIDE - Waver Roller	1
6	111073	SCREW - 1/4-28 X 5/8	5
7	150085	NUT - 1/4-28	7
8	080295	BRACKET - Spring Guide	2
9	084412	GUIDE - Waver Roller	1
10	101086	SCREW - Button Hd., 1/4-28 X 3/4	1
11	111074	SCREW - 1/4-28 X 3/4	1
12	073338	SPRING - Compression, .562 O.D. X 1.265 O.A.L. X .059	2
13	007568	ROLLER ASSEMBLY - Ink & Repellant Waver, Nylon (M-9865/69).	1
14	194800	SCREW - 1/4-28 X 12.5 O.A.L.	2
15	001048	RING - Retaining External, .463 I.D. X .037	2
16	196475	NUT - Special Self locking 1/4-28	2
17	007569	SHAFT - Nylon Waver (M-9865/69)	1
17	007852	SHAFT - Rubber Waver	1
18	076194	CAP	2
19	190387	BUSHING - Flanged Cap	2
20	007570	ROLLER - Ink and Repellant Waver, Nylon (M-9865/69)	1
20	008026	ROLLER - Transfer, Rubber	1
21	007576	ROLLER ASSEMBLY - Oscillating Rider	1
22	001804	NUT - 10-32	2
23	073193	PIN - Centralizing Screw, (M-9865/69)	2
23	195684	PIN - Special	2
24	014390	SCREW - Set, 1/4-28 X 1 1/4	2
25	196475	NUT - Special Self Locking 1/4-28	2
26	007580	TIE ROD	2
27	080694	PLUG	1
28	001497	BUSHING - .504 I.D. X .629 O.D. X .625	2
29	007581	SHAFT	1
30	014523	RING - Retaining Internal, 2.600 O.D. X .081	1
31	080698	GUARD - Splash	1
32	080263	CAP	1
33	080699	BALL - .375 O.D.	1
34	080695	PLUG AND CAM ASSEMBLY	1
35	007577	ROLLER - Oscillating Rider	1
36	001778	RING - Retaining External, .214 I.D. X .027	4
37	073004	BUSHING - Special	4
38	001207	SCREW - Set, 8-32 X 3/16	4
39	073152	COLLAR	4
40	007547	ROLLER - Rider, Rubber	2
41	087496	LEVER AND SHAFT ASSEMBLY - Operating	1
42	001812	NUT - 10-32	1
43	001702	WASHER - .195 I.D. X .500 O.D. X .029	1
44	073339	SCREW - Eccentric, 10 - 32	1
45	192900	PIN - Tapper, .142 O.D. X .750	2
46	*073116	LEVER	1
47	*080297	LEVER	1
48	080298	SCREW - Shoulder, 10-32	2
49	080299	TRUCK	2
50	101051	NUT - 10-32	2
51	*080317	SHAFT	1
52	073108	BRACKET ASSEMBLY	1
53	192766	WASHER - .385 I.D. X .750 O.D. X .090	2
54	111076	SCREW - 1/4-28 X 1.000	2
55	111079	SCREW - 1/4-28 X 1.250	1
56	111077	SCREW - 1/4-28 X 1.375	1
57	073234	BRACKET - ROLLER	2
	*	Not Procurable Separately	

parts catalog...

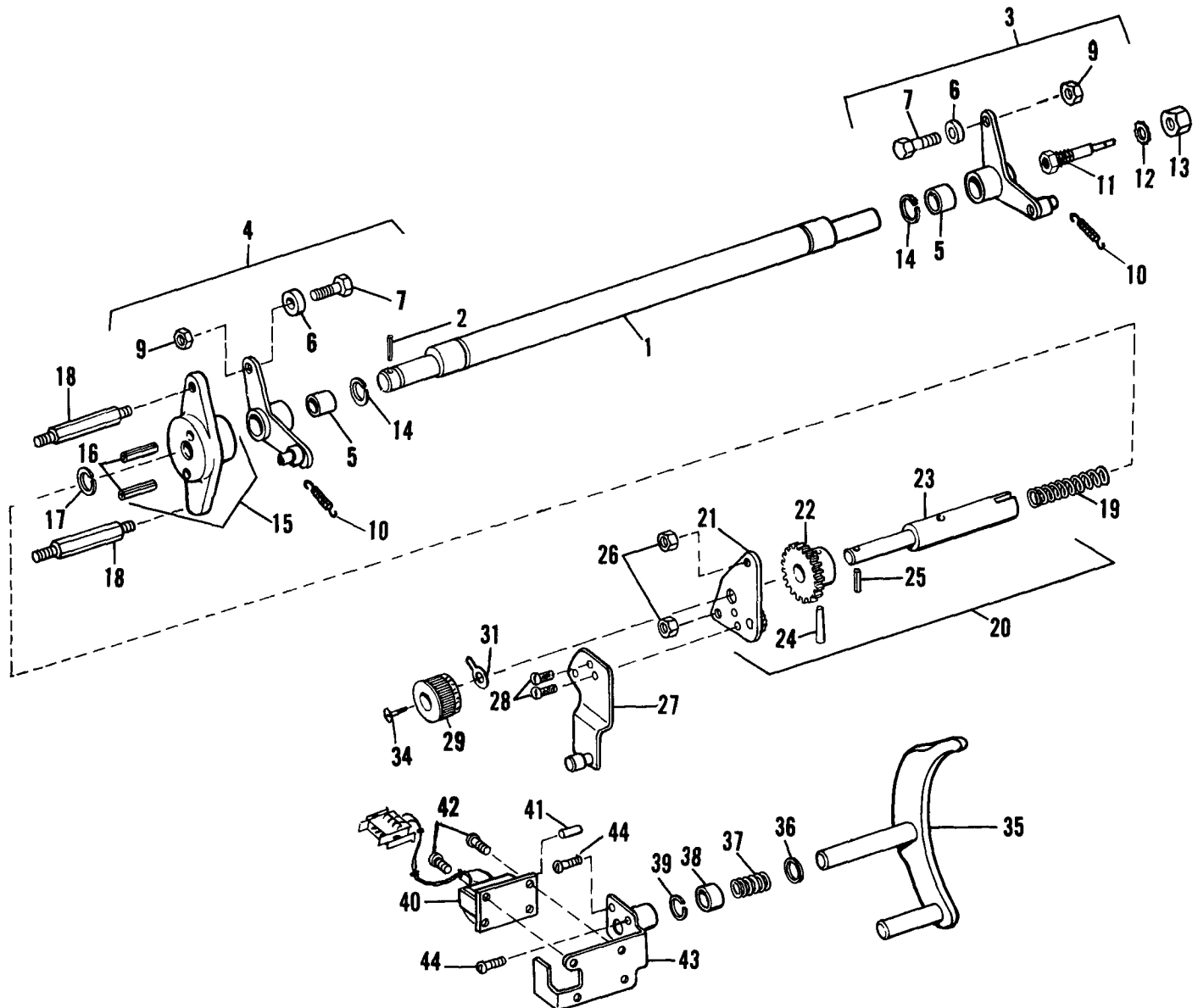


FIGURE 14 - MODEL 9865/9869
Aquamatic Control Shaft and Master Load Solenoid

parts catalog

Index No.	Part No.	MODEL 9865/9869 - Figure 14 Description	Units Per Assy.
1	025249	ECCENTRIC SHAFT - Aquamtic Control	1
2	100400	PIN - Roll, .135 O.D. X 9/16	1
3	073250	LEVER ASSEMBLY - Operating, N.O.S.	1
4	073248	LEVER ASSEMBLY - Operating, O.S.	1
5	014605	BUSHING - .566 I.D. X .691 O.D. X .750	2
6	190103	TRUCK	2
7	190118	SCREW - Eccentric	2
9	014808	NUT - 10-32	2
10	040782	SPRING - Tension, .318 O.D. X 1 7/32 O.A.L. X .038	2
11	195137	STUD - Bushing	1
12	043097	WASHER - Lock, .440 I.D. X .750 O.D. X .059	1
13	014805	NUT - 7/16-20	1
14	001094	RING - Retaining External, .394 I.D. X .044	2
15	012268	PLATE ASSEMBLY - Base	1
16	001980	PIN - Roll, .135 O.D. X .640	2
17	001095	RING - Retaining External, .245 I.D. X .027	1
18	192084	STUD - Base Plate	2
19	192135	SPRING - Compression, .299 O.D. X 1.000 O.A.L. X .024	1
20	012270	SHAFT GEAR AND PLATE ASSEMBLY	1
21	012266	PLATE ASSEMBLY	1
22	*012261	GEAR	1
23	*012260	SHAFT	1
24	014902	PIN - Taper, .110 O.D. X .750	1
25	001990	PIN - Roll, .135 O.D. X .500	1
26	014808	NUT - 10-32	2
27	012095	KNOB AND SPRING ASSEMBLY	1
28	001289	SCREW - 8-32 X 1/4	2
29	025238	CONTROL KNOB ASSEMBLY	1
31	039642	RING - Vinyl, .135 I.D.	3
34	196247	SCREW - Special, 10-32 X 1-1/8	1
35	012722	CAM ASSEMBLY - Load	1
36	192202	WASHER - .385 I.D. X .625 X .010	A/R
37	192087	SPRING - Compression, .460 O.D. X 1.250 O.A.L. X .026	1
38	190394	SPACER - .510 I.D. X .625 O.D. X .290 O.A.L.	1
39	101558	RING - Retaining External, .296 I.D. X .037	1
40	025346	SOLENOID ASSEMBLY - 115 V.A.C. 50/60 HZ.	1
41	192088	PIN - Solenoid Drive	1
42	001681	SCREW - 6-32 X 1/4	4
43	012972	BRACKET - Solenoid Mounting	1
44	001567	SCREW - 1/4-28 X 3/8	2
	*	Not Procurable Separately	

parts catalog

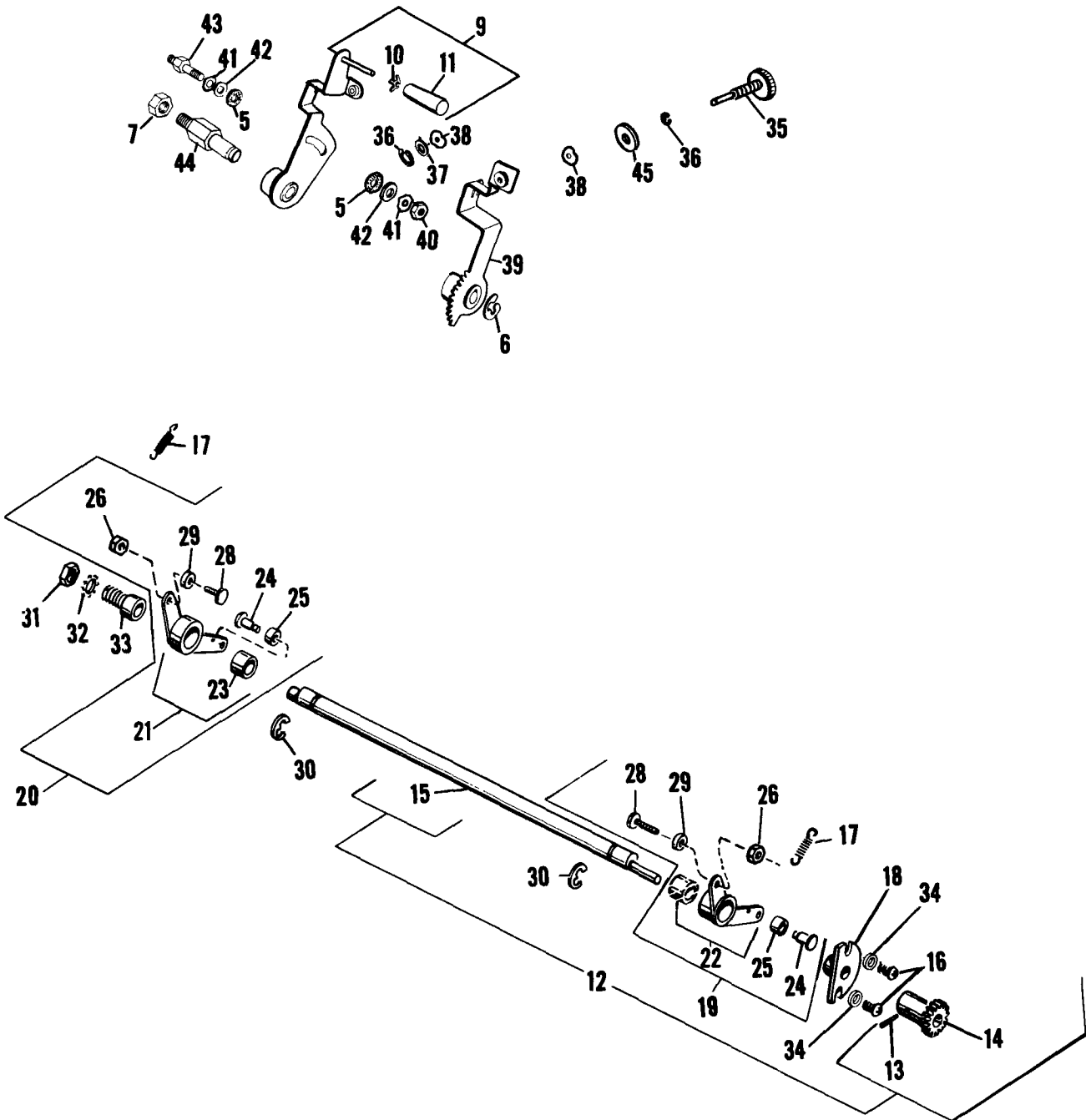


FIGURE 14A - MODEL 9870
Aquamatic Control Lever Assembly

parts catalog

Index No.	Part No.	MODEL 9870 - Figure 14A Description	Units Per Assy.
5	014793	WASHER - Friction, 17/64 I.D.	2
6	001080	RING - Retaining, .302 I.D.	1
7	150085	NUT - 1/4-28	1
9	016275	LEVER ASSEMBLY - Micro Adjust	1
10	072052	LOCK - Spring	1
11	011371	HANDLE - Brown	1
12	007662	ECCENTRIC SHAFT AND PINION ASSEMBLY	1
13	000006	PIN - Taper, .582 O.A.L.	1
14	*073246	GEAR - Eccentric Shaft	1
15	*007663	SHAFT - Eccentric	1
16	111068	SCREW - 1/4-28 x 5/16	2
17	040782	SPRING - Tension, .318 O.D. x 1-7/32 O.A.L.	2
18	073252	BUSHING - Eccentric Shaft	1
19	073248	LEVER ASSEMBLY - O.S.	1
20	073250	LEVER ASSEMBLY - N.O.S.	1
21	071567	LEVER - N.O.S.	1
22	071566	LEVER - O.S.	1
23	014605	BUSHING - .566 I.D. x .691 O.D. x .750 O.A.L.	1
24	057507	RIVET	1
25	070125	TRUCK	1
26	014248	NUT - Lock, 10-32	1
28	190118	STUD - Eccentric	1
29	190103	TRUCK	1
30	001094	RING - Retaining, .394 I.D.	2
31	014805	NUT - 7/16-20	1
32	043097	WASHER - .440 I.D.	1
33	193606	STUD	1
34	021203	WASHER - .255 I.D. x .500 O.D.	2
35	196666	SCREW - Adjusting	1
36	014504	RING - Retaining, .146 I.D. x .027	2
37	196664	WASHER - Spherical	1
38	001742	WASHER - Spring, 13/16 I.D. x .500 O.D.	2
39	016271	LEVER ASSEMBLY - Gear	1
40	154078	NUT - Lock, 1/4-28	1
41	193549	WASHER - Spring, .266 I.D. x .557 O.D.	2
42	191384	WASHER - .260 I.D. x .750 O.D.	2
43	196662	STUD	1
44	196663	STUD	1
45	006776	WASHER - Plain, 3/16 I.D. x 3/8 O.D. x 3/64	1
	*	Not Procurable Separately	

parts Catalog...

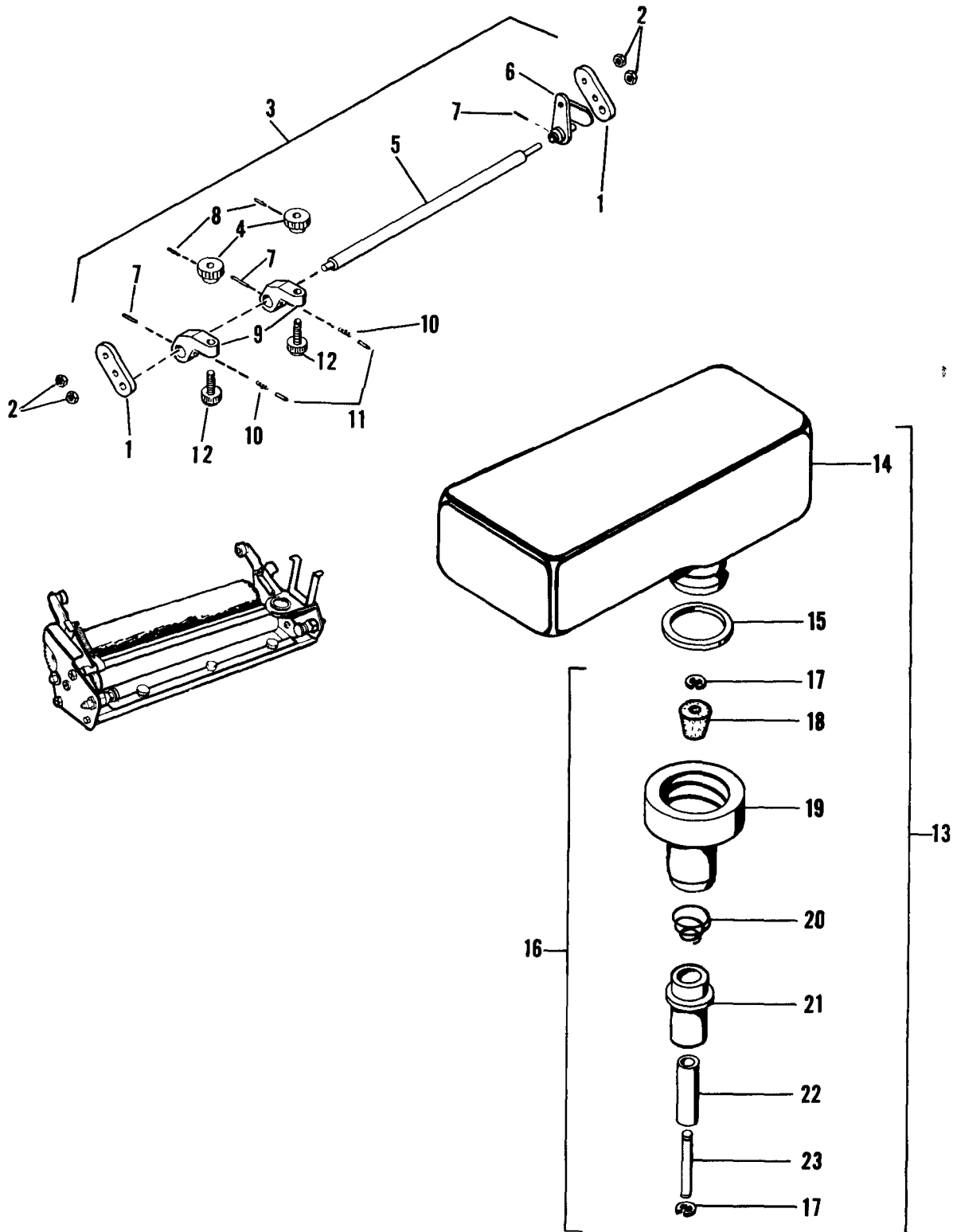


FIGURE 15 - MODEL 9865/9869
Etch Bottle and Actuator Shaft

parts catalog

Index No.	Part No.	MODEL 9865/9869 - Figure 15 Description	Units Per Assy.
1	012418	BEARING BLOCK	2
2	100871	NUT - 1/4-20	4
3	025240	ACTUATOR SHAFT ASSEMBLY - Etch	1
4	012575	KNOB	2
5	*025241	SHAFT	1
6	*012798	LINK	1
7	100554	PIN - Spirol, .136 O.D. X .760	3
8	130033	SCREW - Set, 8-32 X 1/4	2
9	*012414	ARM	2
10	192159	SPRING - Compression, .115 O.D. X .750 O.A.L. X .014	2
11	012577	PIN - Detent	2
12	012576	SCREW - Detent	2
13	***	BOTTLE ASSEMBLY - Etch	1
14	012141	BOTTLE	1
15	080583	GASKET	1
16	011203	VALVE ASSEMBLY	1
17	014507	RING - Retaining External, .095 I.D. X .015	2
18	040868	SEAL	1
19	017820	CAP	1
20	192132	SPRING - Special	1
21	*012375	TUBE - Valve	1
22	100878	PIN - Roll, .264 O.D. X 1.500	1
23	012376	PIN VALVE	1
	*	Not Procurable Separately	
	***	Not Salable As An Assembly	

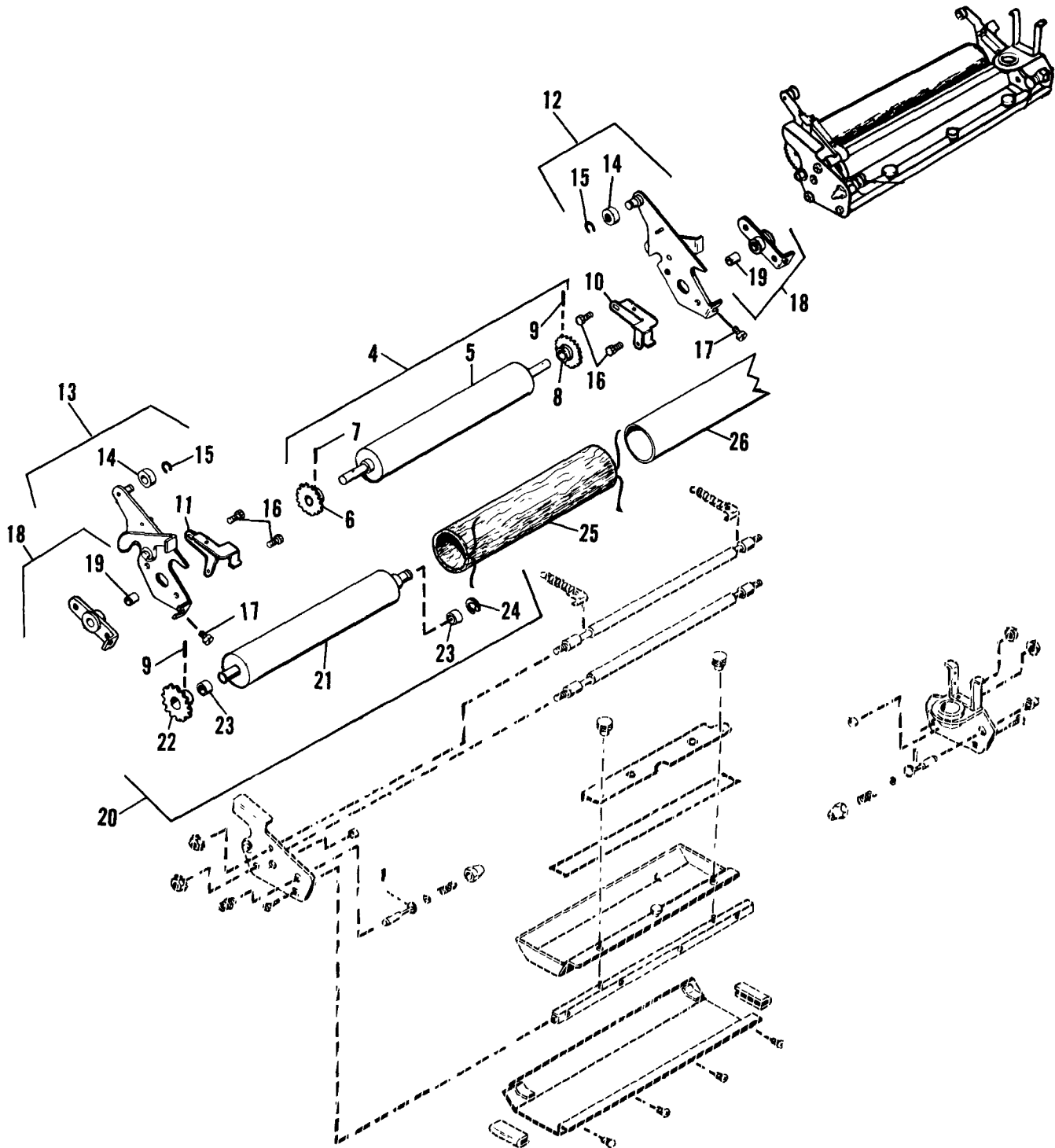


FIGURE 16 - MODEL 9865/9869
Etcher Assembly - Part I

parts catalog

Index No.	Part No.	MODEL 9865/9869 - Figure 16 Description	Units Per Assy.
1	025056	ETCHER ASSEMBLY	1
4	025067	ROLLER ASSEMBLY - Wetting	1
5	*025068	ROLLER - Wetting	1
6	*012367	GEAR - 22 Teeth	1
7	000008	PIN - Taper, .095 O.D. X .697	1
8	*012368	GEAR - 44 Teeth	1
9	000009	PIN - Taper, .110 O.D. X .750	2
10	013391	BRACKET ASSEMBLY - Etcher, N.O.S.	1
11	013393	BRACKET ASSEMBLY - Etcher, O.S.	1
12	012344	ARM ASSEMBLY - Etcher, N.O.S.	1
13	012341	ARM ASSEMBLY - Etcher, O.S.	1
14	012697	TRUCK	1
15	100892	RING - Retaining External, .245 I.D. X .029	1
16	111052	SCREW - 10-32 X 5/16	4
17	012386	SCREW - Special	2
18	012352	ARM ASSEMBLY - Carrier	2
19	001404	BUSHING - .379 I.D. X .504 O.D. X .500	1
20	025059	ROLLER ASSEMBLY - Etch	1
21	*025060	ROLLER - Etch	1
22	*012371	GEAR - 28 Teeth	1
23	192129	BUSHING - Flanged	2
24	001080	RING - Retaining External, .302 I.D. X .036	1
25	***	COVER - Etch Roller	1
26	025071	TUBE - Etch Cover Mounting	1
	***	Not Procurable Separately	
	***	Supply Number 4-4061 1.5 DIA. X 13.0 (PK 6)	

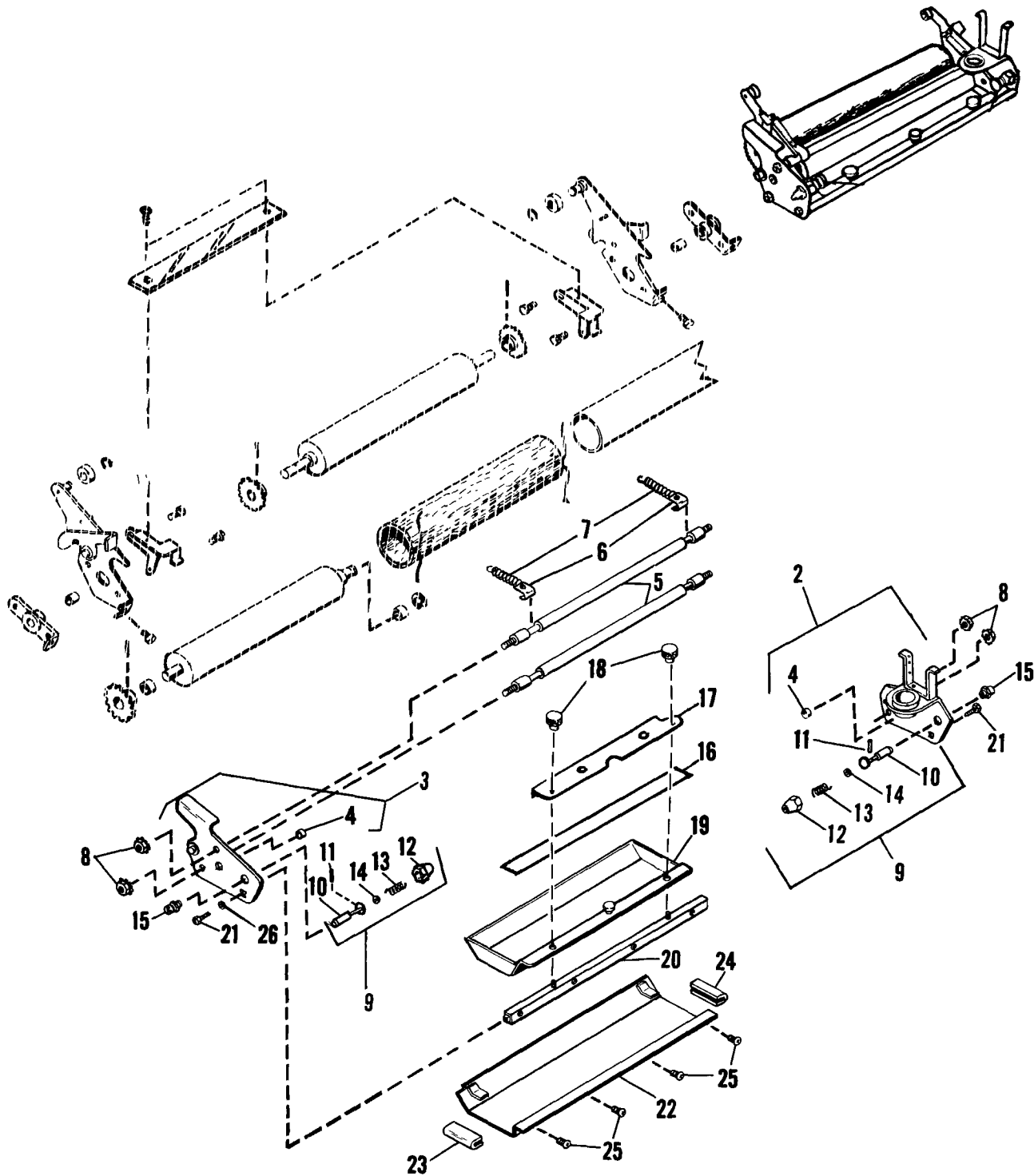


FIGURE 17 - MODEL 9865/9869
Etcher Assembly - Part II

parts catalog

Index No.	Part No.	MODEL 9865/9869 - Figure 17 Description	Units Per Assy.
1	025056	ETCHER ASSEMBLY	1
2	011205	CARRIER ASSEMBLY - N.O.S.	1
3	012347	CARRIER ASSEMBLY - O.S.	1
4	192130	BUSHING - Flanged	1
5	025070	TIE BAR	2
6	012378	CLIP - Spring	2
7	193035	SPRING - Tension, .406 O.D. X 1.546 O.A.L. X .041	2
8	014807	NUT - 1/4-28	4
9	012493	PLUNGER AND HOUSING ASSEMBLY	2
10	*012382	KNOB AND PLUNGER ASSEMBLY	1
11	014973	PIN - Roll, .069 O.D. X .327	1
12	*012383	HOUSING	1
13	192133	SPRING - Compression, .277 O.D. X 37/64 O.A.L. X .022 ..	1
14	192125	WASHER - .191 I.D. X .312 O.D. X .010	1
15	012380	STUD	2
16	025064	SPONGE	1
17	011206	RETAINER - Sponge	1
18	012379	KNOB	2
19	025057	TRAY - Etch	1
20	025065	TIE ROD	1
21	111052	SCREW - 10-32 X 5/16	2
22	025062	PAN - Drip	1
23	011207	CAP - O.S.	1
24	011208	CAP - N.O.S.	1
25	001221	SCREW - 6-32 X 1/4	4
26	001052	WASHER - .203 I.D. X 1/2 O.D. X .059	2
	*	Not Procurable Separately	

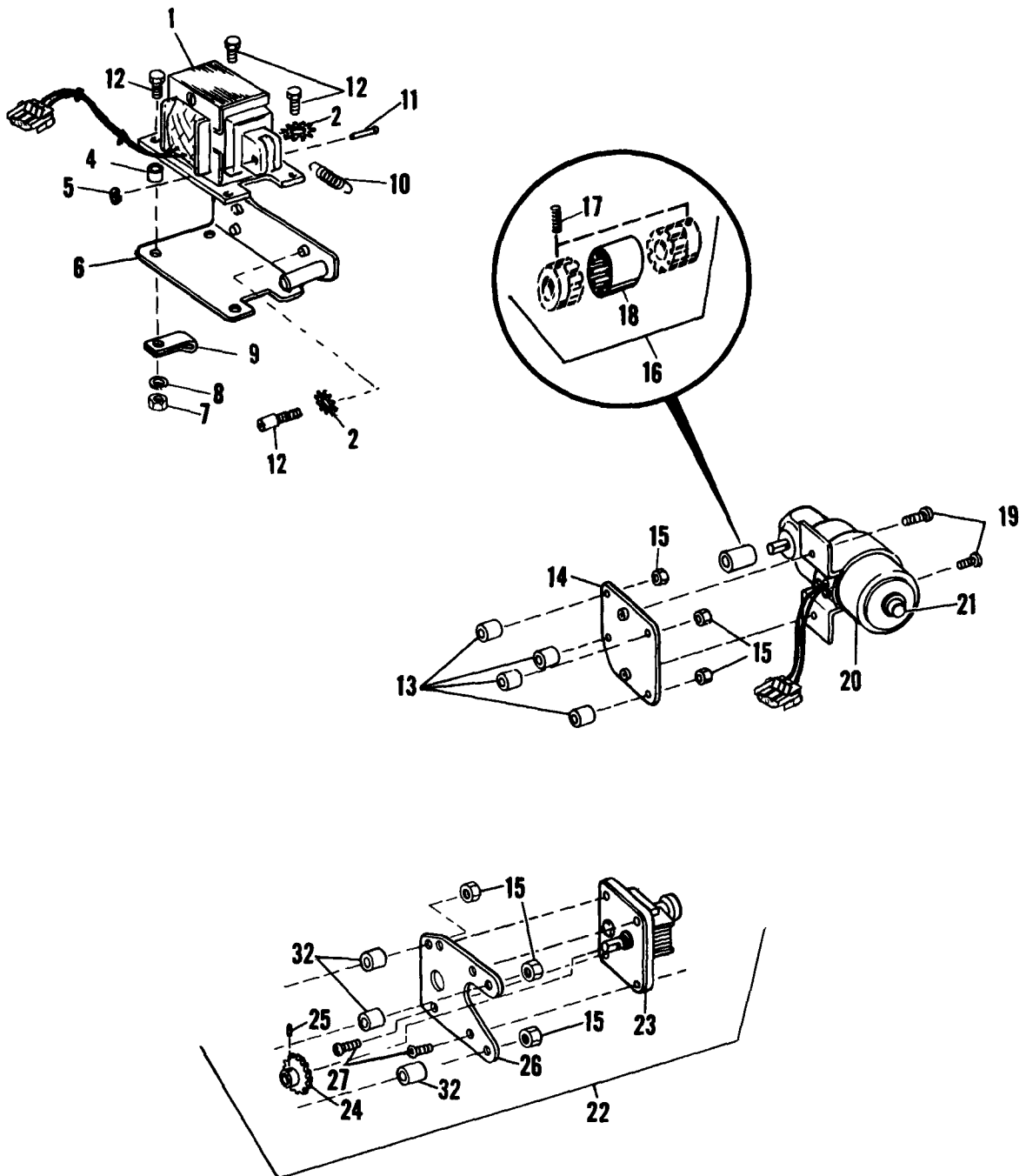


FIGURE 18 - MODEL 9865/9869
Etcher Solenoid and Motor Assemblies

parts catalog...

Index No.	Part No.	MODEL 9865/9869 - Figure 18 Description	Units Per Assy.
1	025343	SOLENOID - Etcher, 115 V.A.C. 50/60 HZ.	1
2	001706	WASHER - Lock, #10	3
5	014515	RING - Plastic, .080 I.D. X .160 O.D. X .025	2
6	012415	BRACKET - Solenoid Mount	1
10	041777	SPRING - .312 O.D. X 1.344 O.A.L. X .028	1
11	192164	PIN - Solenoid	1
12	014215	SCREW - 10-32 X 3/8	7
13	192073	SPACER - Mounting Plate	4
14	012275	PLATE - Mounting, Motor	1
15	014808	NUT - 10-32	7
16	012596	COUPLING - Motor Shaft	1
17	130033	SCREW - Set, 8-32 X 1/4	2
18	195330	SLEEVE	1
19	014158	SCREW - 10-32 X 1/2	2
20	025348	MOTOR - Etcher, Reducer Assembly, 115 V.A.C. 50/60 HZ.	1
21	013509	BRUSHES	2
22	***	MOTOR ASSEMBLY - Master Forwarding	1
23	012457	MOTOR - Master Forwarding	1
24	012146	GEAR - Motor	1
25	001573	SCREW - Set, 1/4-28 X 5/16	1
26	012145	BRACKET - Mounting	1
27	001696	SCREW - 10-32 X 7/16	4
32	192209	SPACER	3
	***	Not Salable As An Assembly	

parts catalog...

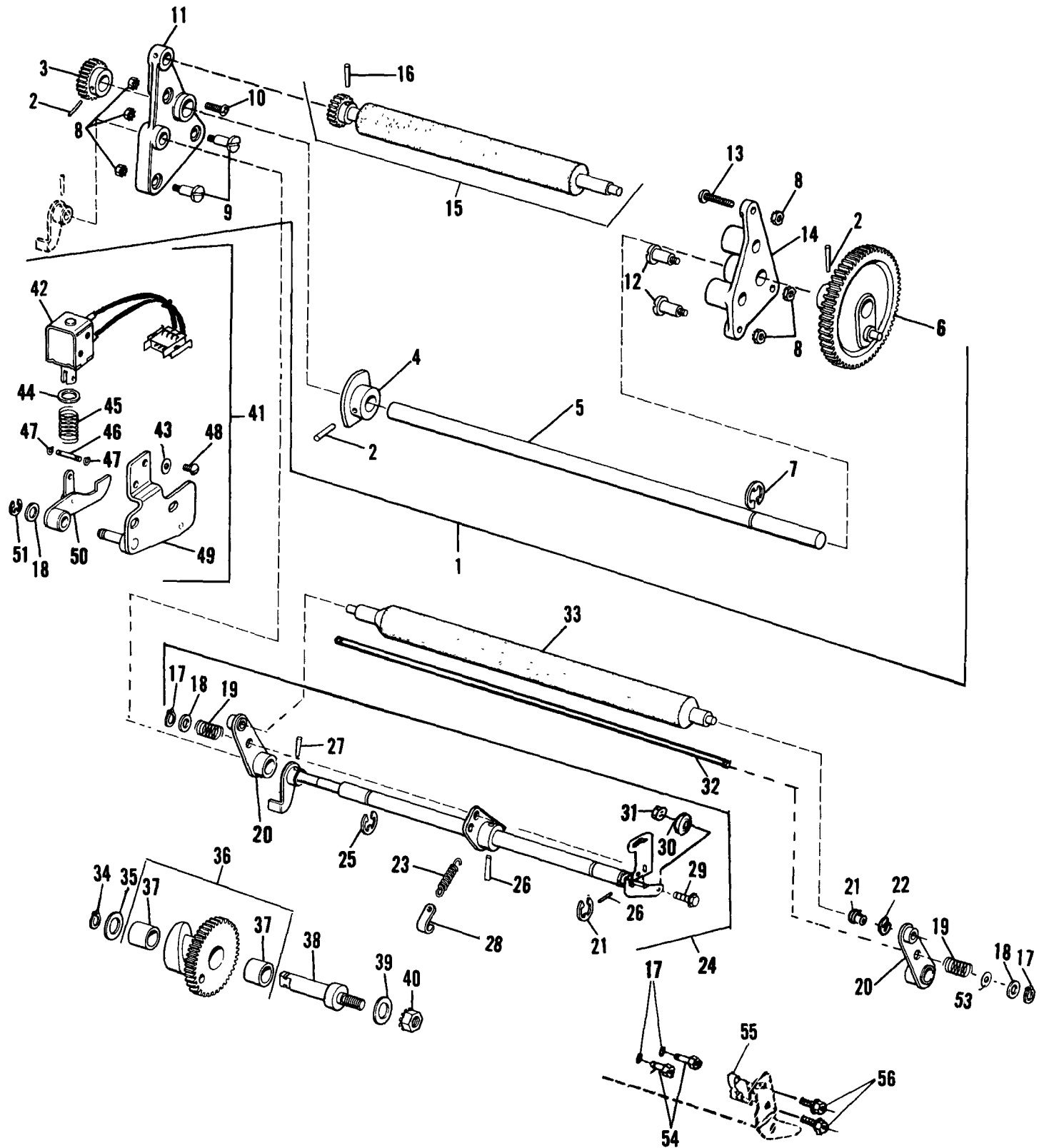


FIGURE 19 - MODEL 9865/9869
Ink Feed Solenoid, Distributor and Ductor Rollers

parts catalog...

Index No.	Part No.	MODEL 9865/9869 - Figure 19 Description	Units Per Assy.
1	025260	SHAFT ASSEMBLY - Cam and Gear, (M-9865/69)	1
1	017989	SHAFT ASSEMBLY - Cam and Gear (M-9870)	1
2	001956	PIN - Taper, .194 O.D. X .680	4
2	001987	PIN - Roll, .167 O.D. x .890 O.A.L. (Use W/079912 Gear)..	1
3	079912	GEAR - (Field Replacement Only)	1
4	*017990	CAM	1
5	*025261	SHAFT	1
6	*076727	GEAR	1
7	001094	RING - Retaining External, .394 I.D. X .044	1
8	150085	NUT - 1/4-28	6
9	073123	SCREW - Shoulder, 1/4-28	2
10	014180	SCREW - 1/4-28 X 1.000	1
11	073120	BRACKET ASSEMBLY - Bearing, N.O.S.	1
12	073094	SCREW - Shoulder, 1/4-28	2
13	011079	SCREW - 1/4-28 X 1.500	1
14	073091	BRACKET ASSEMBLY - Bearing, O.S.	1
15	007549	ROLLER ASSEMBLY - Distributor	1
16	101332	PIN - Spiral, .103 O.D. X .760	1
17	001049	RING - Retaining External, .227 I.D. X .027	2
18	021203	WASHER - .254 I.D. X .500 O.D. X .029	2
19	054409	SPRING - Compression, 21/64 I.D. X 1.187 O.A.L.	2
20	084422	LEVER ASSEMBLY	2
21	084421	BUSHING - Special, .253 I.D.	1
22	001047	RING - Retaining, .340 I.D.	1
23	072625	SPRING - Tension, 11/32 O.D. X 1.125 O.A.L. X .059	1
24	025258	SHAFT AND LEVER ASSEMBLY - Actuating, (M-9865/69)	1
24	017633	SHAFT AND LEVER ASSEMBLY - Actuating (M-9870)	1
25	001098	RING - Retaining External, .339 I.D. X .037	1
26	014902	PIN - Taper, .110 O.D. X .875	2
27	000020	PIN - Taper, .125 O.D. X .655	1
28	073107	ANCHOR - Spring	1
29	077459	SCREW - Shoulder, 10-32	1
30	193774	TRUCK	1
31	150083	NUT - 10-32	1
32	016937	SHAFT - Tension	1
33	007591	ROLLER - Ink Ductor, Rubber	1
34	100576	RING - Retaining External, .465 I.D. X .052	1
35	191289	WASHER - .504 I.D. X .812 O.D. X .062	1
36	073043	CAM GEAR ASSEMBLY	1
37	001432	BUSHING - .504 I.D. X .629 O.D. X .500	2
38	080349	STUD - Shoulder, 3/8-24	1
39	001721	WASHER - .380 I.D. X .625 O.D. X .059	1
40	190254	NUT - 3/8-24	1
41	025198	SOLENOID ASSEMBLY - Ink Feed Control, 120 V.A.C. 50/60 HZ.	1
42	025347	SOLENOID 120 V.A.C. 50/60 HZ.	1
43	001729	WASHER - Lock, .145 I.D. X .311 O.D.	2
44	192206	WASHER - Fiber, .385 I.D. X .625 X .062	1
45	192204	SPRING - Compression, .437 O.D. X .406 O.A.L. X .024	1
46	190713	PIN - Solenoid	1
47	014515	RING - Plastic	2
48	001694	SCREW - 6-32 X 3/16	1
48	001541	SCREW 6-32 X 1/4	1
49	012815	BRACKET - Mounting	1
50	012254	LEVER ASSEMBLY - Lock	1
51	001060	RING - Retaining External, .208 I.D. X .027	1
52	190149	WASHER .441 I.D.	1
53	014741	WASHER - Spring, .572 O.D. X .267 I.D X .008	1
54	017639	STAND-OFF (M-9870)	2
55	017640	SPRING - Lockout (M-9870)	1
56	111053	SCREW - 10-32 x 7/16 (M-9870)	2
	*	Not Procurable Separately	

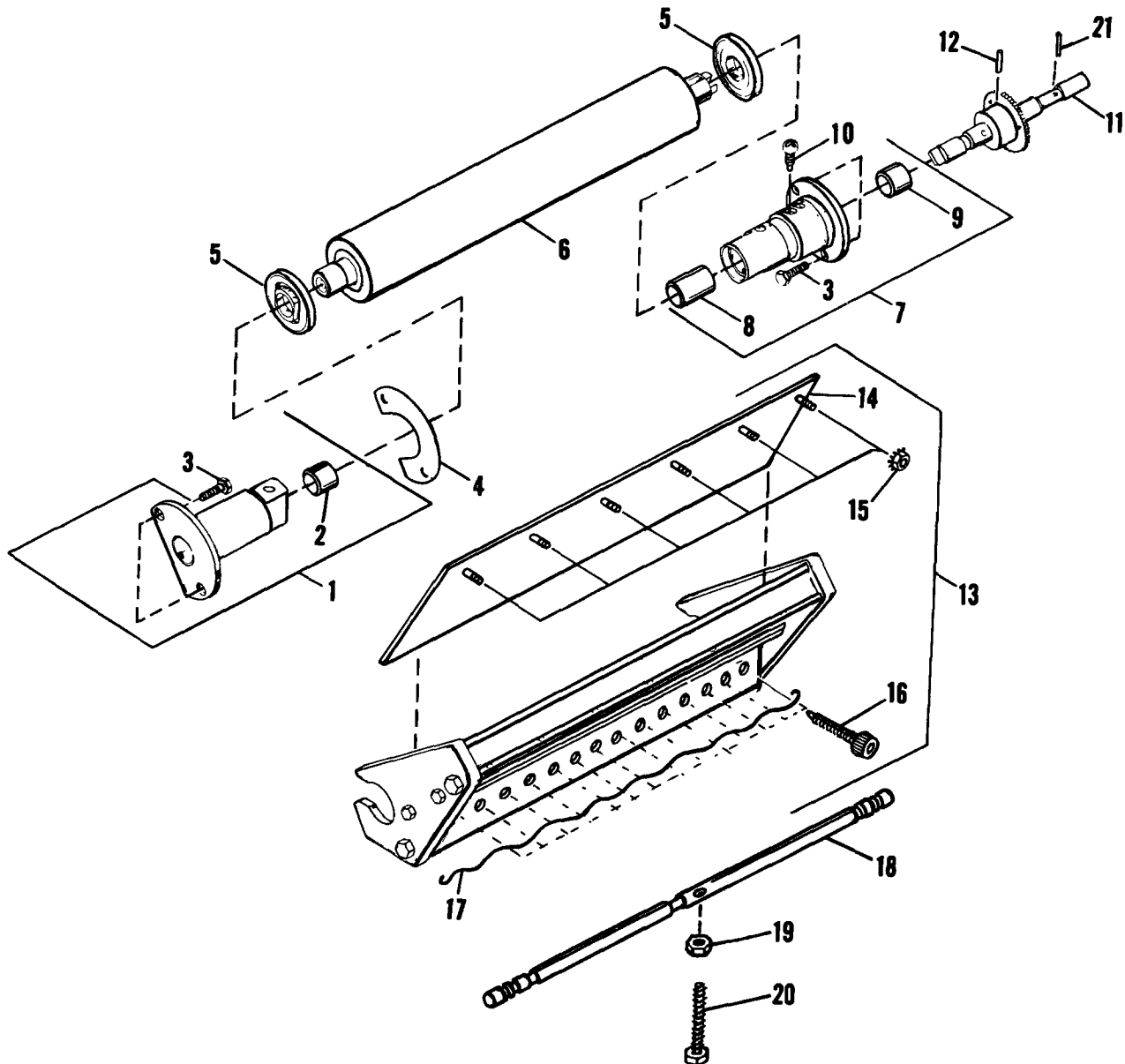


FIGURE 20 - MODEL 9865/9869
Ink Metering Assembly

parts catalog...

Index No.	Part No.	MODEL 9865/9869 - Figure 20 Description	Units Per Assy.
1	018364	BUSHING ASSEMBLY - N.O.S.	1
2	001497	BUSHING - .630 O.A.L.	1
3	111051	SCREW - 10-32 X 5/16	4
4	018368	SHIM - Bushing, N.O.S.	A/R
5	018360	SEAL - Ink Roller	2
6	018358	ROLLER - Ink, Rubber	1
7	018362	BUSHING ASSEMBLY - O.S.	1
8	014646	BUSHING - 1.255 O.A.L.	1
9	001413	BUSHING - .750 O.A.L.	1
10	072620	SCREW - Shoulder, 10-32	1
11	018366	EXTENSION ASSEMBLY - Knob, (M-9865/69)	1
11	018383	EXTENSION ASSEMBLY - Crank (M-9870)	1
12	000011	PIN - Taper, .122 X 7/8	1
13	018350	METERING BLADE ASSEMBLY	1
14	018353	BLADE ASSEMBLY	1
15	014808	NUT - 10-32	6
16	073512	SCREW - Ink Adjustment	15
17	018357	SPRING - Screw, Tension	1
18	017996	TIE BAR - Metering Assembly Adjustment (Brown)	1
19	001812	NUT - 10-32	1
20	001260	SCREW - Adjusting, 10-32 X 1-1/4	1
21	014921	PIN - Roll, .135 O.D. X .890	1

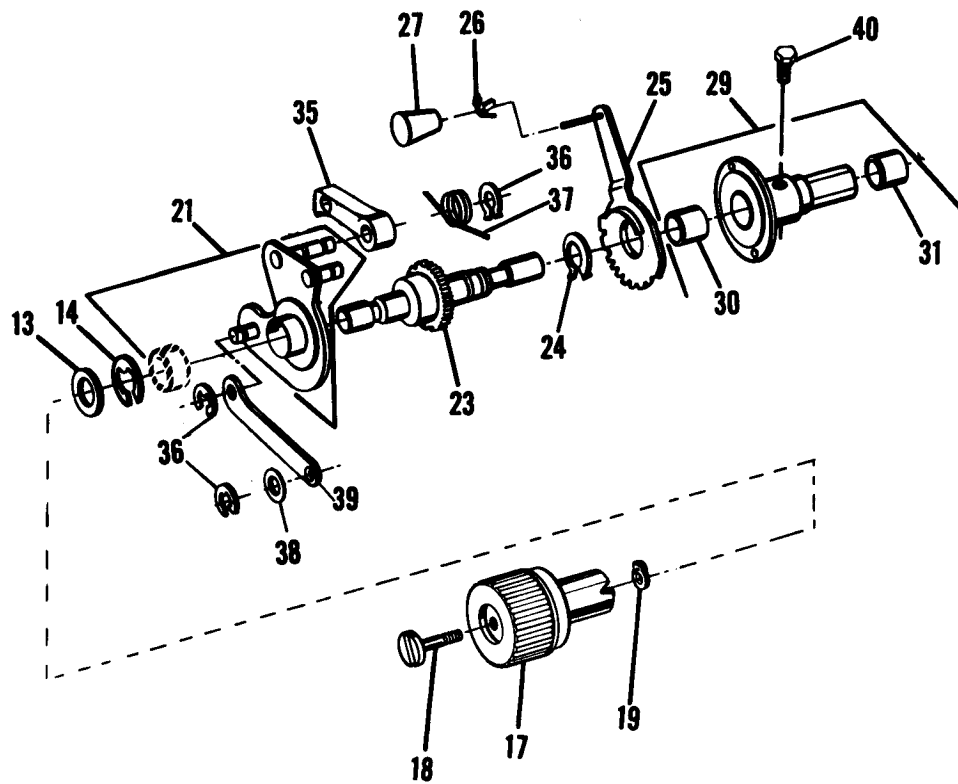


FIGURE 21 - MODEL 9865/9869
Ink Roller Control

parts catalog

Index No.	Part No.	MODEL 9865/9869 - Figure 21 Description	Units Per Assy.
17	017739	KNOB - Chrome	1
18	196248	SCREW - Dowel, 1/4-28	1
19	039642	RING - Vinyl, .135 I.D.	1
21	017630	LEVER ASSEMBLY - Operating	1
23	018366	EXTENSION ASSEMBLY - Knob	1
24	001076	RING - Retaining, .815 I.D.	1
25	017702	CONTROL ASSEMBLY - Ink	1
26	072052	LOCK - Spring	1
27	011371	HANDLE	1
29	018362	HOUSING ASSEMBLY - O.S.	1
30	001413	BUSHING - .750 O.A.L.	1
31	014646	BUSHING - 1.255 O.A.L.	1
35	080630	PAWL	1
36	001046	RING - Retaining, .283 I.D.	2
37	080634	SPRING - Torsion, 11/32 I.D.	1
38	016574	WASHER - Plain, .315 I.D.X .687 O.D.X .047	1
39	076734	LINK - Operating Lever	1
40	072620	SCREW - Shoulder, 10-32	1

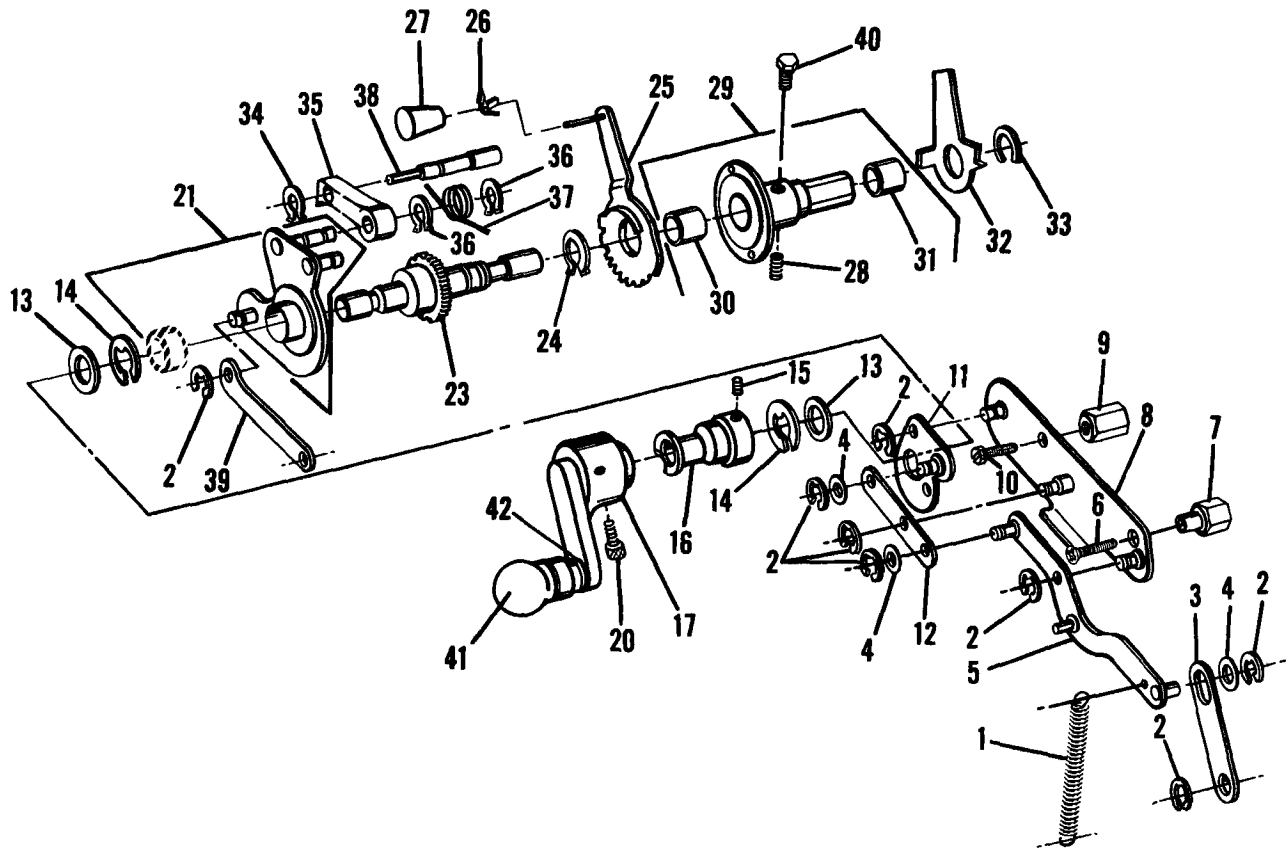


FIGURE 21A - MODEL 9870
Ink Fountain Linkage

parts catalog

Index No.	Part No.	MODEL 9870 - Figure 21A Description	Units Per Assy.
1	192152	SPRING - 17/64 O.D. x 3-5/64 O.A.L.	1
2	001097	RING - Retaining, .186 I.D.	6
3	017618	LINK	1
4	015213	WASHER - .227 I.D. x 3/8 O.D.	3
5	017616	LEVER ASSEMBLY	1
6	014151	SCREW - 10-32 x 1/2	1
7	017623	STAND-OFF	1
8	017611	BRACKET ASSEMBLY	1
9	017622	STAND-OFF	1
10	192029	SCREW - Dowel, 1/4-28	1
11	017613	PLATE ASSEMBLY	1
12	017615	LEVER	1
13	014688	WASHER - .510 I.D. x 1.000 O.D.	2
14	001094	RING - Retaining, .394 I.D.	2
15	014902	PIN - Taper, .110 O.D. x .720 O.A.L.	1
16	018383	EXTENSION ASSEMBLY - Crank	1
17	017788	CRANK ASSEMBLY - Brown	1
20	014215	SCREW - 10-32 x 3/8	1
21	017630	LEVER ASSEMBLY - Operating	1
23	018383	EXTENSION ASSEMBLY - Crank	1
24	001076	RING - Retaining, .815 I.D.	1
25	017702	CONTROL ASSEMBLY - Ink	1
26	072052	LOCK - Spring	1
27	011371	HANDLE	1
28	100863	SCREW - 10-32 x 1/4	1
29	018362	HOUSING ASSEMBLY - O.S.	1
30	001413	BUSHING - .750 O.A.L.	1
31	014646	BUSHING - 1.255 O.A.L.	1
32	017636	LEVER - Lockout	1
33	001785	RING - Retaining, .903 I.D.	1
34	001044	RING - Retaining, .170 I.D.	1
35	017693	PAWL	1
36	001046	RING - Retaining, .283 I.D.	2
37	080634	SPRING - Torsion, 11/32 I.D.	1
38	196258	PIN - Pawl Deflector	1
39	076734	LINK - Operating Lever	1
40	072620	SCREW - Shoulder, 10-32	1
41	196219	CRANK HANDLE KNOB - Brown	1
42	003042	CLIP - (Not Illustrated)	1

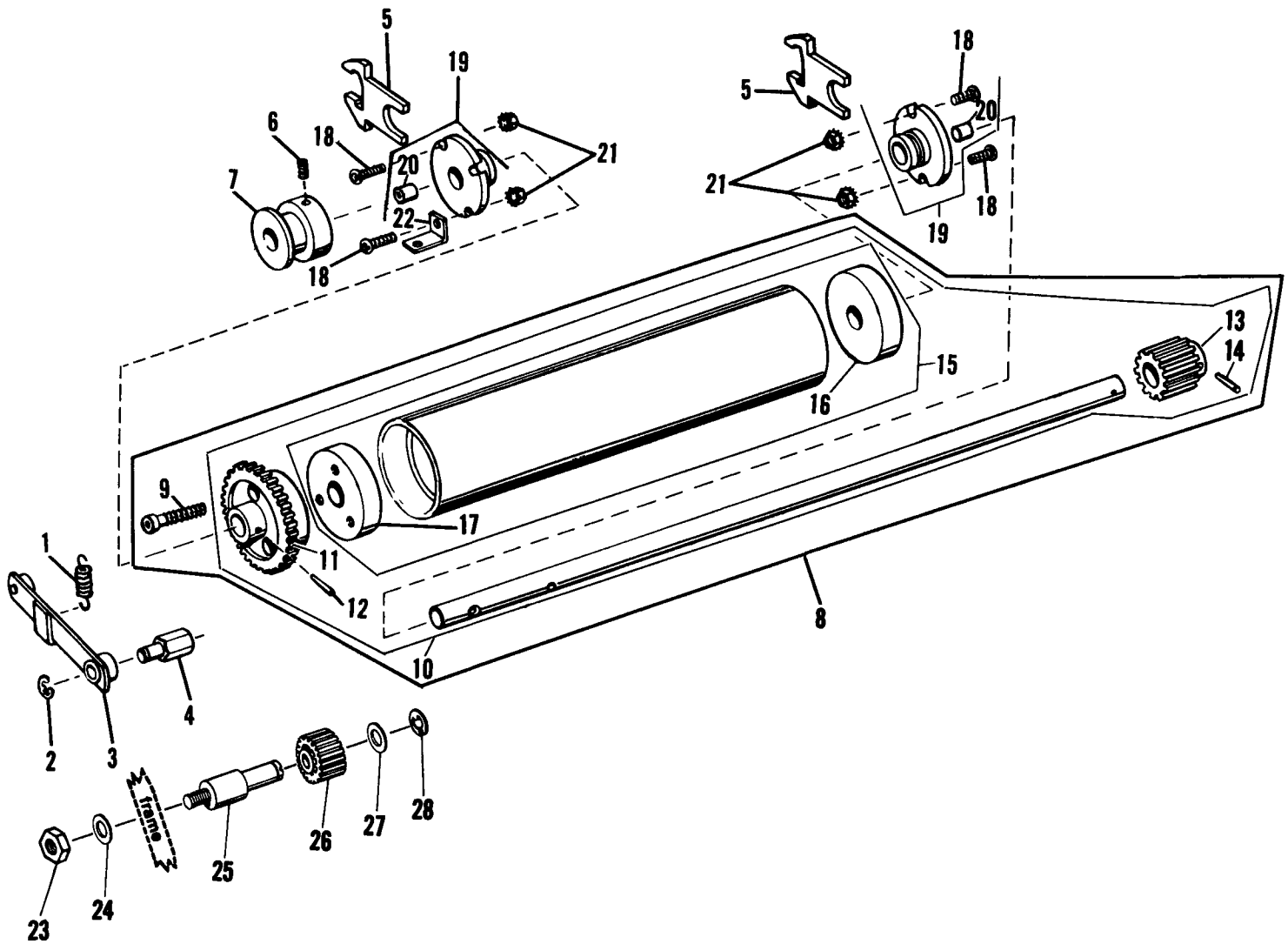


FIGURE 22 - MODEL 9865/9869
Waver Roller Assembly

parts catalog...

Index No.	Part No.	MODEL 9865/9869 - Figure 22 Description	Units Per Assy.
1	041776	SPRING - .343 O.D. X 1.375 O.A.L. X .047	1
2	001080	RING - Retaining External, .302 I.D. X .037.....	1
3	075987	LEVER ASSEMBLY - Detent Cam	1
4	195136	PIVOT - Lever	1
5	073894	SLIDE - Form Roller Lever	2
6	014207	SCREW - Set, 1/4-28 X 5/8	1
7	073482	COUPLING - Waver Roller	1
8	***	ROLLER AND SHAFT ASSEMBLY - Waver	1
9	014157	SCREW - 1/4-28 X 1.250	3
10	007557	SHAFT ASSEMBLY	1
11	073710	GEAR(Field Replacement Only)	1
12	001976	PIN - Roll, .135 O.D. X .827 ..(Field Replacement Only)	1
12	014910	PIN - Taper, .110 O.D. X 7/8	1
13	079905	GEAR.....(Field Replacement Only)	1
14	014921	PIN - Roll, .135 O.D. X .890 ..(Field Replacement Only)	1
14	014910	PIN - Taper, .110 O.D. X 7/8	1
15	007559	ROLLER ASSEMBLY - Waver	1
16	080433	CAP	1
17	080473	CAP	1
18	111055	SCREW - 10-32 X 9/16	4
19	075931	BUSHING - Flanged	2
20	001497	BUSHING - .504 I.D. X .629 O.D. X .625	2
21	014248	NUT - 10-32	4
22	075991	BRACKET - Spring	1
23	190254	NUT - 3/8-24	1
24	014750	WASHER - .385 I.D. X .875 O.D. X .059	1
25	195385	STUD	1
26	076218	GEAR	1
27	001797	WASHER - .515 I.D. X .812 O.D. X .059	1
28	001048	RING - Retaining External, .463 I.D. X .037	1
	***	Not Saleable As An Assembly	

parts catalog...

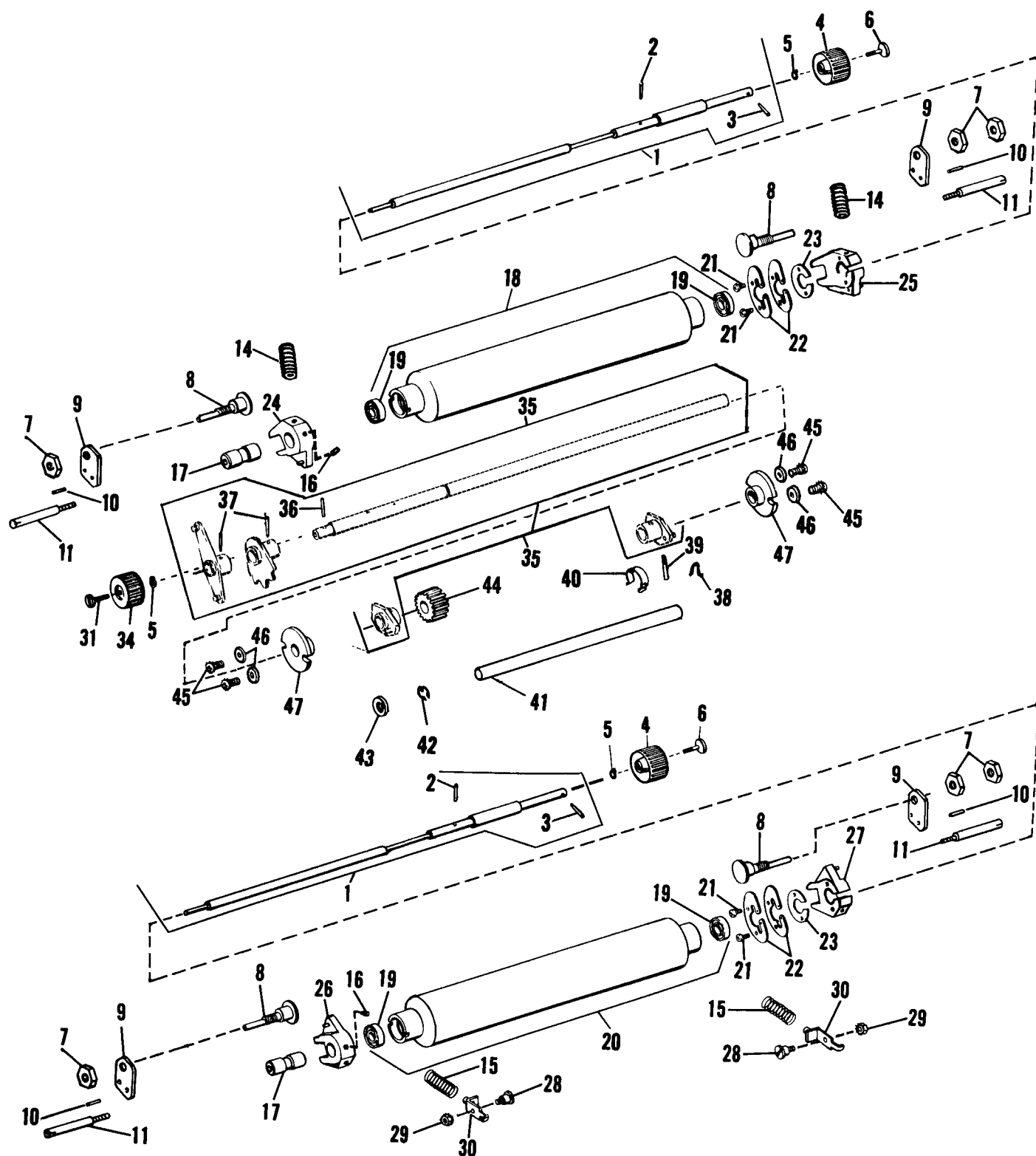


FIGURE 23 - MODEL 9865/9869
Form Rollers and Separator Shaft

parts catalog...

Index No.	Part No.	MODEL 9865/9869 - Figure 23 Description	Units Per Assy.
1	007599	SHAFT ASSEMBLY - Form Roller	2
2	001978	PIN - Roll, .135 X .765	1
3	001980	PIN - Roll, .135 X .640	1
4	017735	KNOB - Form Roller	2
5	039642	RING - Vinyl, .135 I.D.	3
6	196246	SCREW - 10-32 X 9/16.	2
7	014819	NUT - 5/16-24	4
8	076481	SCREW - Eccentric Adjusting, 5/16-24	4
9	072272	LEVER - Lock	4
10	014912	PIN - Roll, .167 O.D. X .515	4
11	072271	STUD - Locking, 10-32	4
14	073338	SPRING - Compression, .572 O.D. X 1.265 O.A.L. X .059	2
15	076124	SPRING - Compression, .537 O.D. X 1.343 O.A.L. X .063.	2
16	014108	SCREW - Set, 10-32 X 3/8	2
17	073327	SLEEVE - Form Roller	2
18	007567	ROLLER ASSEMBLY - Upper Form 2" Dia., Rubber	1
19	073316	BEARING - Ball, .437 I.D. X .906 O.D. X .312	2
20	007567	ROLLER ASSEMBLY - Lower Form 2" Dia., Rubber	1
21	001577	SCREW - 8/32 X 7/16	4
22	073098	RETAINER - Stop Plate	4
23	073097	PLATE - Stop	2
24	073446	LEVER - Upper Form Roller, 2" Dia., N.O.S.	1
25	073444	LEVER - Upper Form Roller, 2" Dia., O.S.	1
26	073447	LEVER - Lower Form Roller, 2" Dia., N.O.S.	1
27	073448	LEVER - Lower Form Roller, 2" Dia., O.S.	1
28	193917	SCREW - Shoulder, 1/4-28	2
29	150085	NUT - 1/4-28	2
30	073336	ANCHOR - Spring	2
31	196248	SCREW - 10-32 X 3/4	1
34	025270	KNOB - Night Latch	1
35	025264	SHAFT ASSEMBLY - Form Roller Separator	1
36	101333	PIN - Spiral, .125 O.D. X .937	1
37	100554	PIN - Spiral, .125 O.D. X .750	2
38	014507	RING - Retaining External, .095 I.D. X .019	2
39	190382	PIN - Special	2
40	190383	CLIP - Spring	2
41	192763	TUBE - 9/16 I.D. X 13-15/16 O.A.L.	1
42	100969	RING - Retaining, .447 I.D.	1
43	192798	WASHER - .507 I.D. X .875 O.D. X .060	1
44	076386	GEAR - Idler	1
45	111068	SCREW - 1/4-28 X 5/16	4
46	021203	WASHER - .254 I.D. X .500 O.D. X .029	4
47	073029	BUSHING - Separator Shaft	2

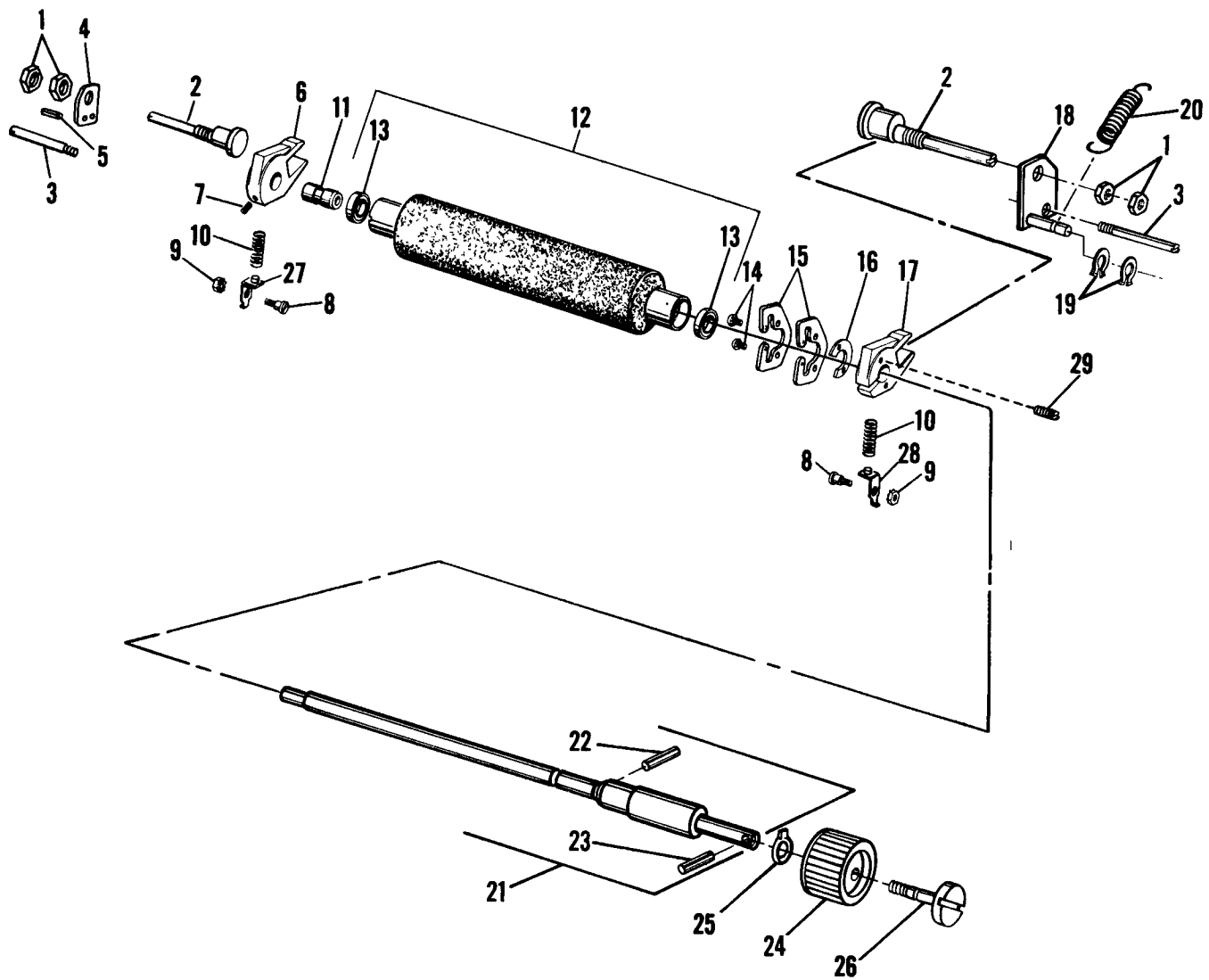


FIGURE 23A - MODEL 9870
Lower Form Roller and Shaft Assembly

parts catalog

Index No.	Part No.	MODEL 9870 - Figure 23A Description	Units Per Assy.
1	014819	NUT - 5/16-24	2
2	076481	SCREW - Eccentric Adjusting, 5/16-24	2
3	072271	STUD - Locking, 10-32	2
4	072272	LEVER - Locking, Stud N.O.S.	1
5	014912	PIN - Roll, .167 O.D. x .515 O.A.L.	1
6	073445	FORM ROLL LEVER - N.O.S.	1
7	014108	SCREW - Set, 10-32 x 3/8	1
8	193917	SCREW - Dowel, 1/4-28 x 5/16	2
9	150085	NUT - 1/4-28	2
10	195930	SPRING - Compression, .510 I.D. x 1-1/4 O.A.L. (White)	2
11	073327	SLEEVE - Form Roller	1
12	007565	ROLLER ASSEMBLY - Lower Form (2.4 Diameter)	1
13	073316	BEARING - .437 I.D. x .906 O.D.	2
14	001577	SCREW - 8-32 x 7/16	2
15	073098	RETAINER - Stop Plate	2
16	073097	PLATE - Stop	1
17	073443	FORM ROLL LEVER - O.S.	1
18	017626	LEVER - Locking, Stud O.S.	1
19	100741	RING - Retaining, .146 I.D.	2
20	192152	SPRING - 17/64 O.D x 3-5/64 O.A.L.	1
21	007599	SHAFT ASSEMBLY - Form Roller	1
22	001978	PIN - Roll, .135 O.D. x .765 O.A.L.	1
23	001980	PIN - Roll, .135 O.D. x .640 O.A.L.	1
24	017735	KNOB	1
25	039642	RING - Vinyl, .135 I.D.	1
26	196246	SCREW - Dowel, 1/4-28	1
27	072278	ANCHOR - Spring, N.O.S.	1
28	072277	ANCHOR - Spring, O.S.	1
29	101033	SCREW - Set 8-32 x 1/2	1

parts catalog

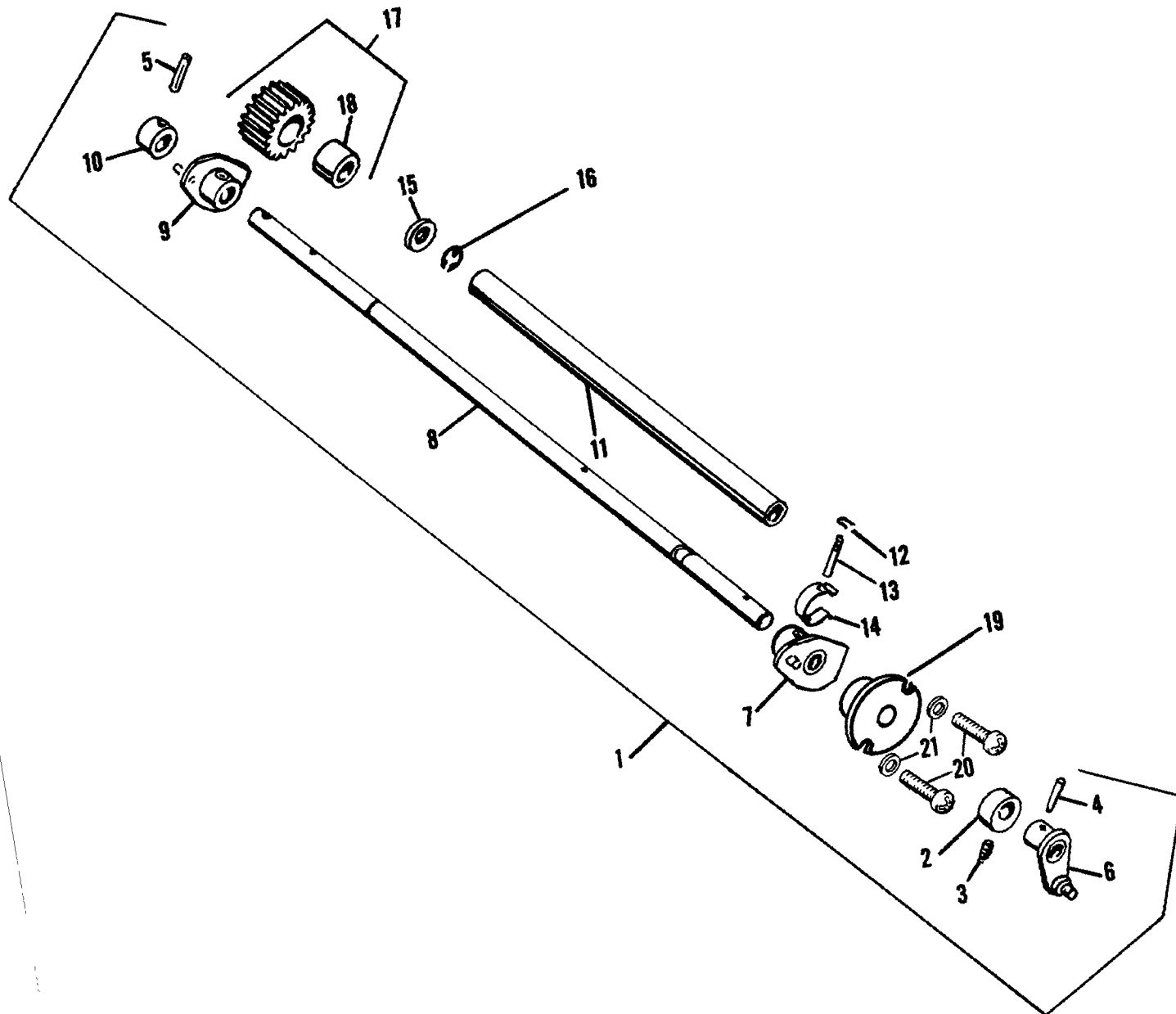


FIGURE 23B - MODEL 9870
Form Roller Separator Shaft

parts catalog

Index No.	Part No.	MODEL 9870 - Figure 23B Description	Units Per Assy.
1	017619	SHAFT ASSEMBLY - Form Roller Separator	1
2	071594	COLLAR - Eccentric	1
3	014372	SCREW - Set, 10-32 x 1/4	1
4	000009	PIN - Taper, .750 O.A.L.	1
5	001978	PIN - Roll, .135 O.D. x .765 O.A.L.	1
6	*017620	LEVER - Separating	1
7	*071649	CAM - O.S. Form Roller Separator	1
8	*007554	SHAFT - Form Roller Separator	1
9	*071648	CAM - N.O.S. Form Roller Separator	1
10	*055535	COLLAR - Separator Shaft	1
11	192763	TUBE - .572 I.D. x .622 O.D. x 14.077	1
12	014507	RING - Retaining, .097 I.D.	2
13	190382	PIN - Spring Clip	2
14	190383	CLIP - Spring	2
15	192798	WASHER - .507 I.D.	1
16	100969	RING - Retaining, .447 I.D.	1
17	076386	GEAR - Idler	1
18	001427	BUSHING - .503 I.D. x .628 O.D. x .880 O.A.L.	1
19	073029	BEARING HOUSING	2
20	111068	SCREW - 1/4-28 x 5/16	4
21	021203	WASHER - .255 I.D. x .500 O.D.	4
	*	Not Procurable Separately	

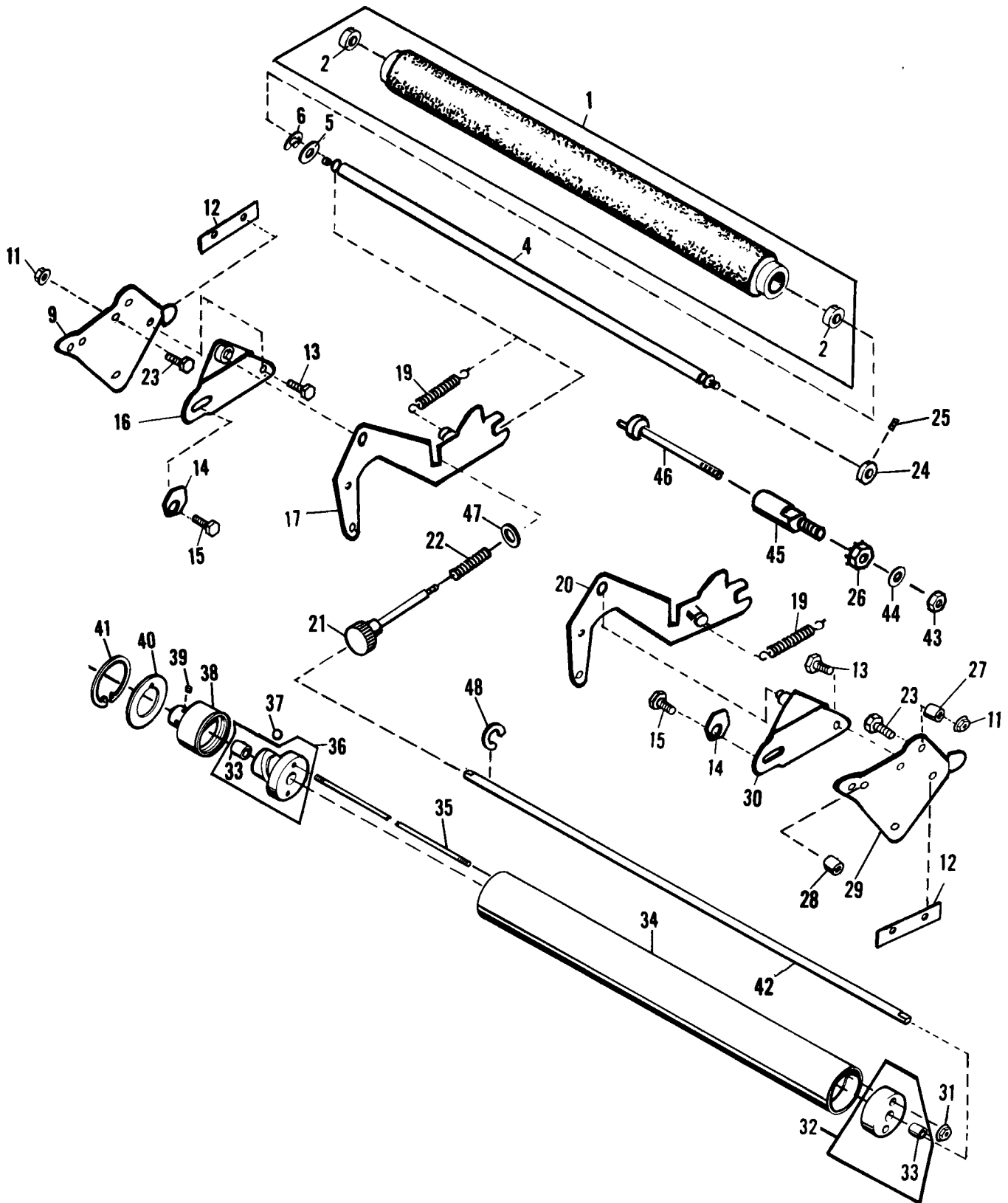


FIGURE 23C - MODEL 9870
Form Roller - Third

parts catalog

Index No.	Part No.	MODEL 9870 - Figure 23C Description	Units Per Assy.
1	022736	ROLLER - Form, 3rd	1
2	073316	BEARING - .906 O.D. x .437 I.D.	2
4	022739	SHAFT - Form Roller	1
5	190149	WASHER - .443 I.D. x 11/16 O.D. x .030	1
6	001075	RING - Retaining, .397 I.D. x .037	1
9	022743	PLATE - Mounting, N.O.S.	1
11	150085	NUT - 1/4-28	4
12	022740	NUTPLATE	2
13	191734	SCREW - Dowel, .250 O.A.L.	2
14	083594	ECCENTRIC	2
15	111074	SCREW - 1/4-28 x 3/4	2
16	022728	PLATE ASSEMBLY - Adjusting, N.O.S.	1
17	022731	BRACKET ASSEMBLY - Support, N.O.S.	1
19	021457	SPRING - Tension, .390 O.D. x 1.75 O.A.L. x .054	2
20	022729	BRACKET ASSEMBLY - Support, O.S.	1
21	022744	SCREW Shoulder	2
22	196787	SPRING - Compression, .480 O.D. x 1" O.A.L. x .059	2
23	191733	SCREW - Dowel, 1.171 O.A.L.	4
24	196778	COLLAR	1
25	001207	SCREW - Set, 8-32	1
26	014810	NUT - 3/8-24	2
27	191736	SPACER - .317 I.D. x .750 O.D. x .599	1
28	195387	SPACER - .317 I.D. x .500 O.D. x .599	1
29	022743	PLATE - Mounting, O.S.	1
30	022727	PLATE ASSEMBLY - Adjusting, O.S.	2
31	196475	NUT - Special	2
32	080694	PLUG ASSEMBLY - Oscillating Roller	1
33	001497	BUSHING	1
34	007577	ROLLER - Oscillating, Nylon	1
35	007580	ROD - Tie	2
36	080695	PLUG AND CAM ASSEMBLY	1
37	080699	BALL	1
38	080263	CAP	1
39	014390	SCREW - Set, 1/4-28 x 1/4	2
40	080698	GUARD	1
41	014523	RING - Retaining, 2.346 I.D. x 2.600 O.D. x .081	1
42	022734	SHAFT - Oscillating Roller, 3rd Form	1
43	001812	NUT - 10-32	2
44	016558	WASHER - Plain, .203 I.D. x 9/16 O.D. x .058	2
45	196769	STUD - Adjust	2
46	022781	STUD - Eccentric	2
47	001766	WASHER - Plain, .325 I.D. x 1/2 O.D. x .030	2
48	100969	RING - Crescent, 1/2" Shaft	1

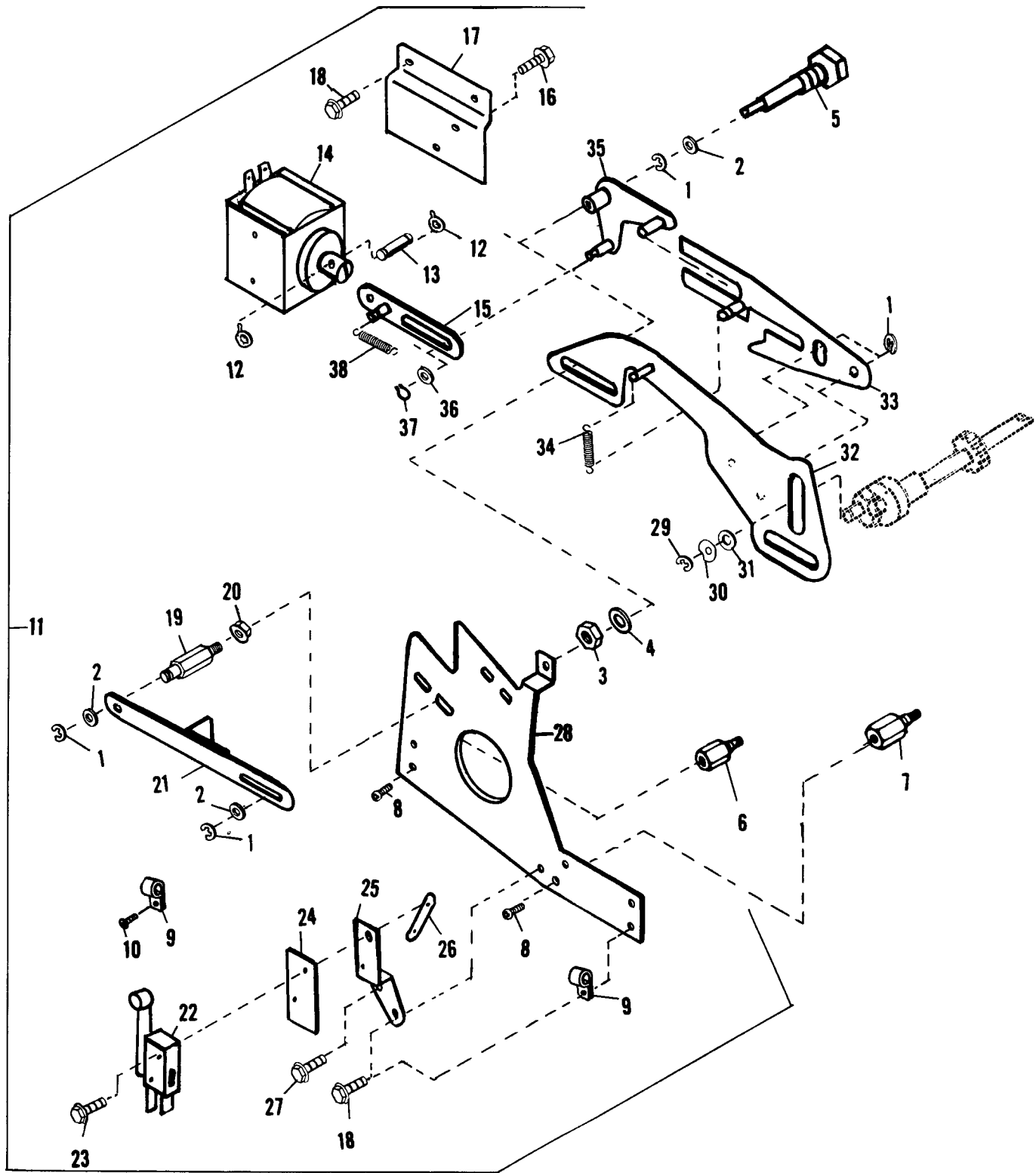


FIGURE 24 - MODEL 9865/9869
Form Roller Solenoid Assembly

parts catalog...

Index No.	Part No.	MODEL 9865/9869 - Figure 24 Description	Units Per Assy.
1	001060	RING - Retaining, .208 I.D. X .027.....	5
2	021203	WASHER - Plain, 1/4 I.D. X 1/2 O.D. X .029	3
3	014805	NUT - 7/16-20	1
4	043097	WASHER - Plain, 7/16 I.D. X 3/4 O.D. X .059	1
5	195137	STUD - Bushing	1
6	193605	SPACER - Dowel Screw, 1-3/32"	1
7	195650	SPACER - Dowel Screw, 19/32"	1
8	001684	SCREW - 1/4-28 X 7/16	2
9	250203	CLAMP - Nylon, 1/4"	2
9	250204	CLAMP - Nylon, 5/16"	1
9	250205	CLAMP - Nylon, 3/16"	3
10	001588	SCREW - 10/32 X 1/4	1
11	025125	SOLENOID PLATE ASSEMBLY - Form Roller	1
12	014515	RING - Vinyl, .080 I.D.	2
13	190713	PIN - Solenoid Link	1
14	253578	SOLENOID - 115 V. 50/60 Hz.	1
15	025127	LINK ASSEMBLY	1
16	111033	SCREW - 8-32 X 5/16	2
17	025126	BRACKET - Solenoid Mtg.	1
18	111051	SCREW - 10/32 X 5/16	3
19	195000	STUD - Switch Link	1
20	150085	NUT - 1/4-28	1
21	025129	LINK ASSEMBLY - Night Latch Switch	1
22	251086	SWITCH - 10 A. 125/250 VAC.	1
23	111006	SCREW - 4-40 X 9/16	2
24	006917	INSULATION - Switch	1
25	025132	BRACKET - Switch Mtg.	1
26	190555	NUTPLATE - 4-40	1
27	101151	SCREW - 6-32 X 5/16	1
28	084353	PLATE - Solenoid and Switch Mounting	1
29	001047	RING - Retaining, .340 I.D.	1
30	195141	WASHER - Spring, .402 I.D. X .557 O.D. X .100	1
31	014703	WASHER - Plain, .584 I.D. X .562 O.D.	1
32	025171	SLIDE ASSEMBLY - Power	1
33	025273	LINK ASSEMBLY - Power	1
34	193871	SPRING - Tension, 1/4" O.D. X 11/16" O.A.L.	1
35	025375	LEVER ASSEMBLY - Control	1
36	193795	WASHER - Trust, .320 I.D. X .625 O.D. X .030	1
37	001095	RING - Retaining, .245 I.D.	1
38	064673	SPRING - Tension, .375 O.D. X 1.375 O.A.L.	1

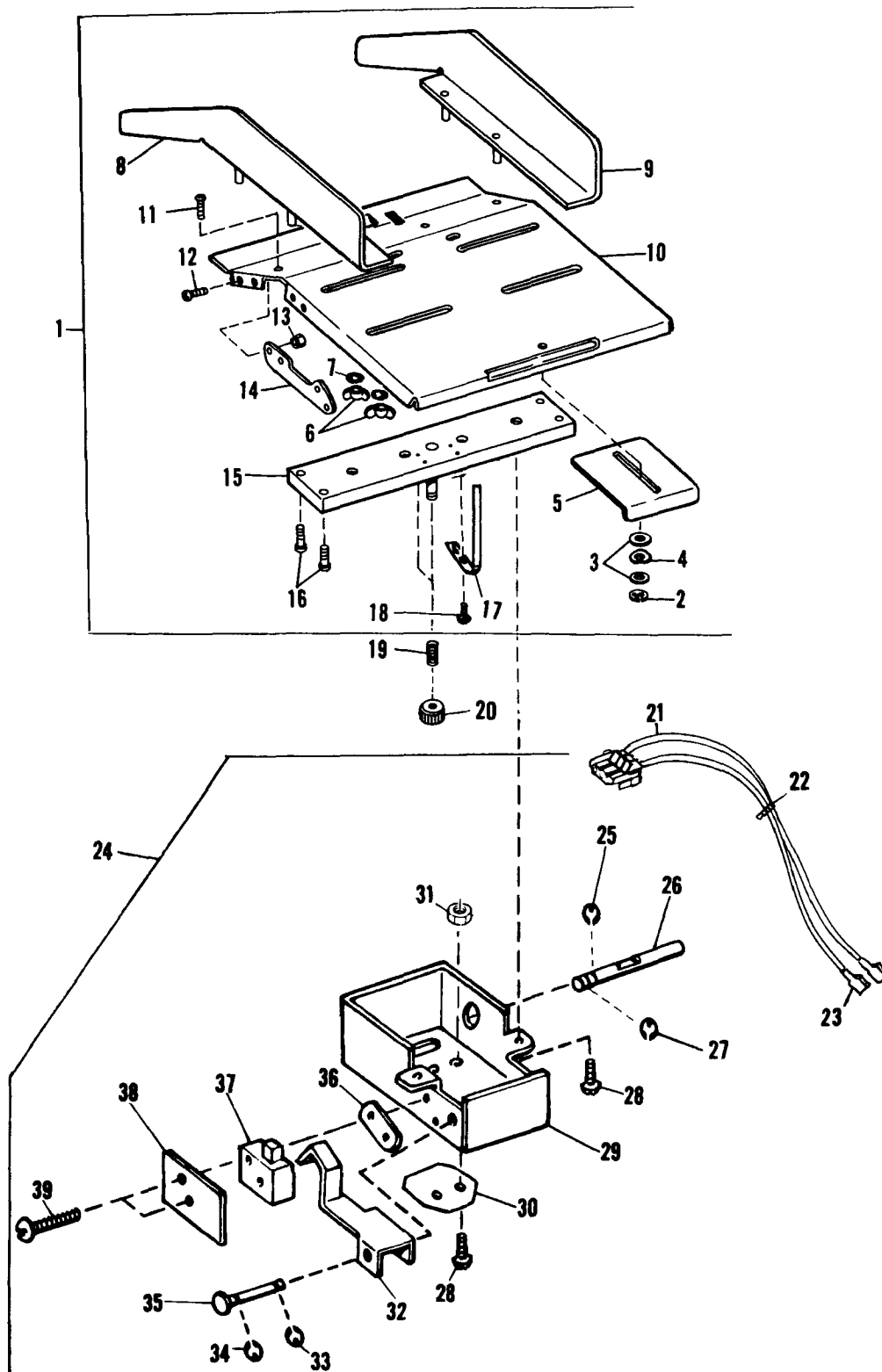


FIGURE 25 - MODEL 9865/9869
Master Feed Table and Switch

parts catalog...

Index No.	Part No.	MODEL 9865/9869 - Figure 25 Description	Units Per Assy.
1	025103	MASTER FEED TABLE ASSEMBLY - M-9865/69	1
1	022783	MASTER FEED TABLE ASSEMBLY - (Not Illustrated) ... (M-9870)	1
2	001080	RING - Retaining External, .302 I.D. X .037	1
3	014727	WASHER - .750 O.D. X .382 I.D. X .029	2
4	001772	WASHER - Spring, .760 O.D. X .382 I.D. X .151	1
5	012450	SLIDE EXTENSION - Feed Table	1
6	014380	NUT - Wing 10-32	4
7	014760	WASHER - .750 O.D. X .220 I.D. X .059	4
8	011222	GUIDE - O.S.	1
9	011224	GUIDE - N.O.S.	1
10	025104	FEED TABLE	1
11	014151	SCREW - 10-32 X 1/2	4
12	101001	SCREW - 10-32 X 3/8	8
13	014808	NUT - 10-32	8
14	011199	BRACE - Feed Table	2
15	025106	BAR SUPPORT - Feed Table	1
16	014112	SCREW - 1/4-28 X 7/8	4
17	012661	SPRING - Paper Tension	2
18	001289	SCREW - 8-32 X 1/4	4
19	080241	SPRING - Compression, .517 O.D. X 1.265 O.A.L. X .066	1
20	012449	KNOB - Separating Adjustment	1
21	025373	HARNESS	1
22	250077	TIE - Cable	2
23	250062	CONNECTOR	8
24	***	BOX - Switch Assembly	1
25	001090	RING - Retaining, Bowed, .463 I.D.	1
26	025243	TUBE	1
27	001048	RING - Retaining, .463 I.D.	1
28	001588	SCREW - 10-32 X 1/4	2
29	013413	BOX - Switch	1
30	007932	SHEILD - Reed Switch	1
31	001812	NUT - 10-32	2
32	028797	ARM - Switch	1
33	001782	RING - Retaining, .115 I.D.	1
34	181019	RING - Retaining, Bowed, .146 I.D.	1
35	195499	STUD	1
36	190555	NUTPLATE	1
37	251710	SWITCH - 125 V., 3 Amp.	2
38	190557	INSULATOR	2
39	111006	SCREW - 4-40 X 9/16	2
	***	Not Saleable As An Assembly	

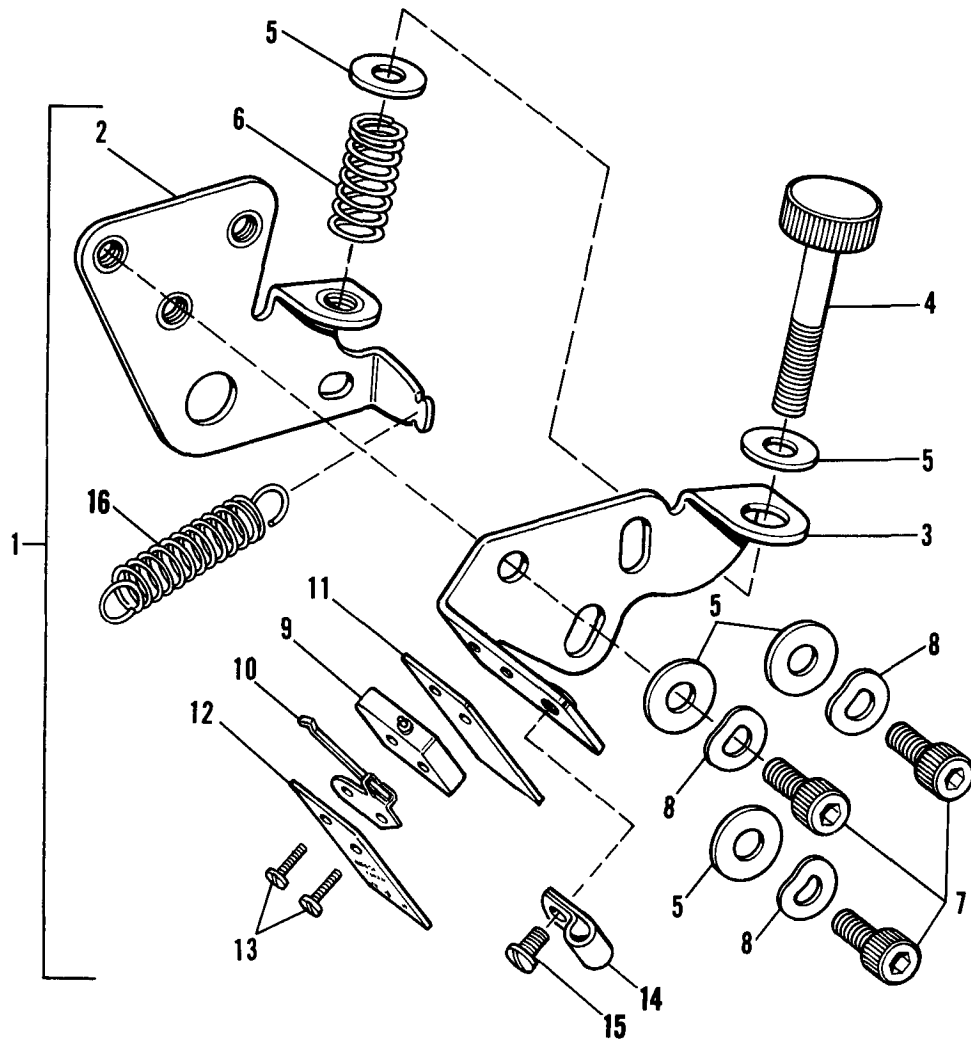


FIGURE 26 - MODEL 9865/9869
Master Feeler Switch Assembly

parts catalog...

Index No.	Part No.	MODEL 9865/9869 - Figure 26 Description	Units Per Assy.
1	012246	SWITCH AND MOUNTING BRACKET ASSEMBLY	1
2	012654	BRACKET - Fixed Switch	1
3	012655	BRACKET - Pivot Switch	1
4	192199	SCREW - Thumb	1
5	001052	WASHER - .203 I.D. X .500 O.D. X .059	5
6	190135	SPRING - Compression, .350 O.D. X 1.000 O.A.L. X .045 ...	1
7	014215	SCREW - 10-32 X 3/8	3
8	014770	WASHER - Spring, .594 I.D. X .875 O.D. X .010	3
9	250071	SWITCH - Micro, 125/250 V.A.C.	1
10	250300	ACTUATOR - Micro Switch	1
11	084279	INSULATOR - Micro Switch	1
12	012243	INSULATOR - Micro Switch	1
13	100490	SCREW - 2-56 X 1/2	2
14	250203	CLAMP - Cable, Nylon, 1/4"	1
15	001586	SCREW - 8-32 X 5/16	1
16	052218	SPRING - Tension, .250 O.D. X 1-5/16 O.A.L. X .028.....	1

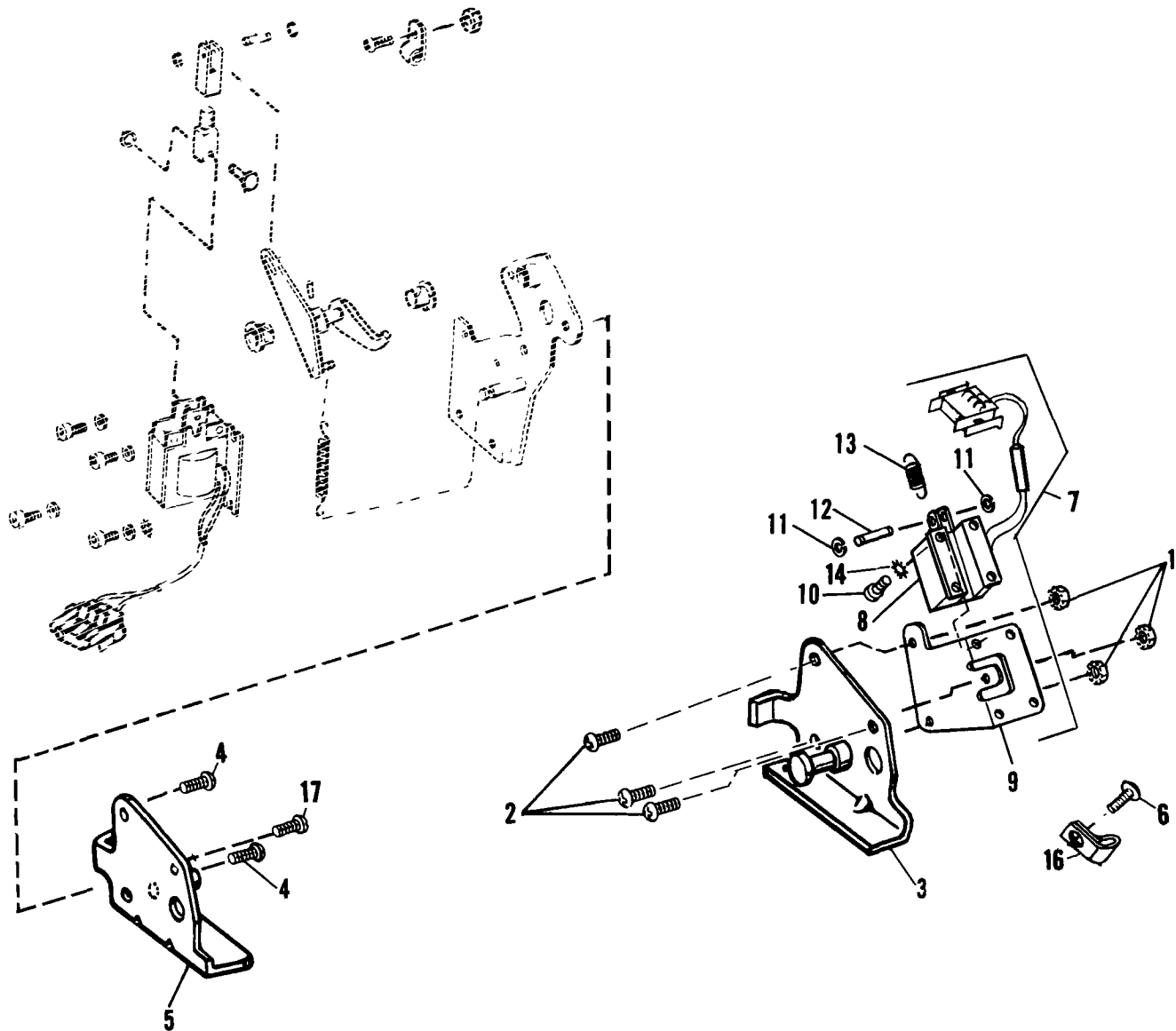


FIGURE 27 - MODEL 9865/9869
Master Forwarding Solenoid

parts catalog...

Index No.	Part No.	MODEL 9865/9869 - Figure 27 Description	Units Per Assy.
1	014807	NUT - 1/4-28	3
2	195161	SCREW - 1/4-28 X 5/8	3
3	011019	BRACKET ASSEMBLY - N.O.S.	1
4	195160	SCREW - 1/4-28 X 7/16	2
5	025120	BRACKET ASSEMBLY - O.S.	1
6	001586	SCREW - 8-32 X 5/16	2
7	025197	MASTER FORWARDING SOLENOID ASSEMBLY - 115 Vac. 50/60 Hz. ..	1
8	025345	SOLENOID - 115 Vac, 50/60 Hz.	1
9	012155	BRACKET - Master Forwarding Solenoid	1
10	101773	SCREW - 6-32 X 3/8	4
11	014515	RING - Plastic .080 I.D. X .160 O.D. X .025	2
12	191463	PIN - Solenoid	1
13	192991	SPRING - Tension, .375 O.D. X 1.734 O.A.L. X .043	1
14	001729	WASHER - #6	3
16	250098	CLAMP - Cable	1
17	101612	SCREW - 1/4-28 X 7/16	1

parts catalog...

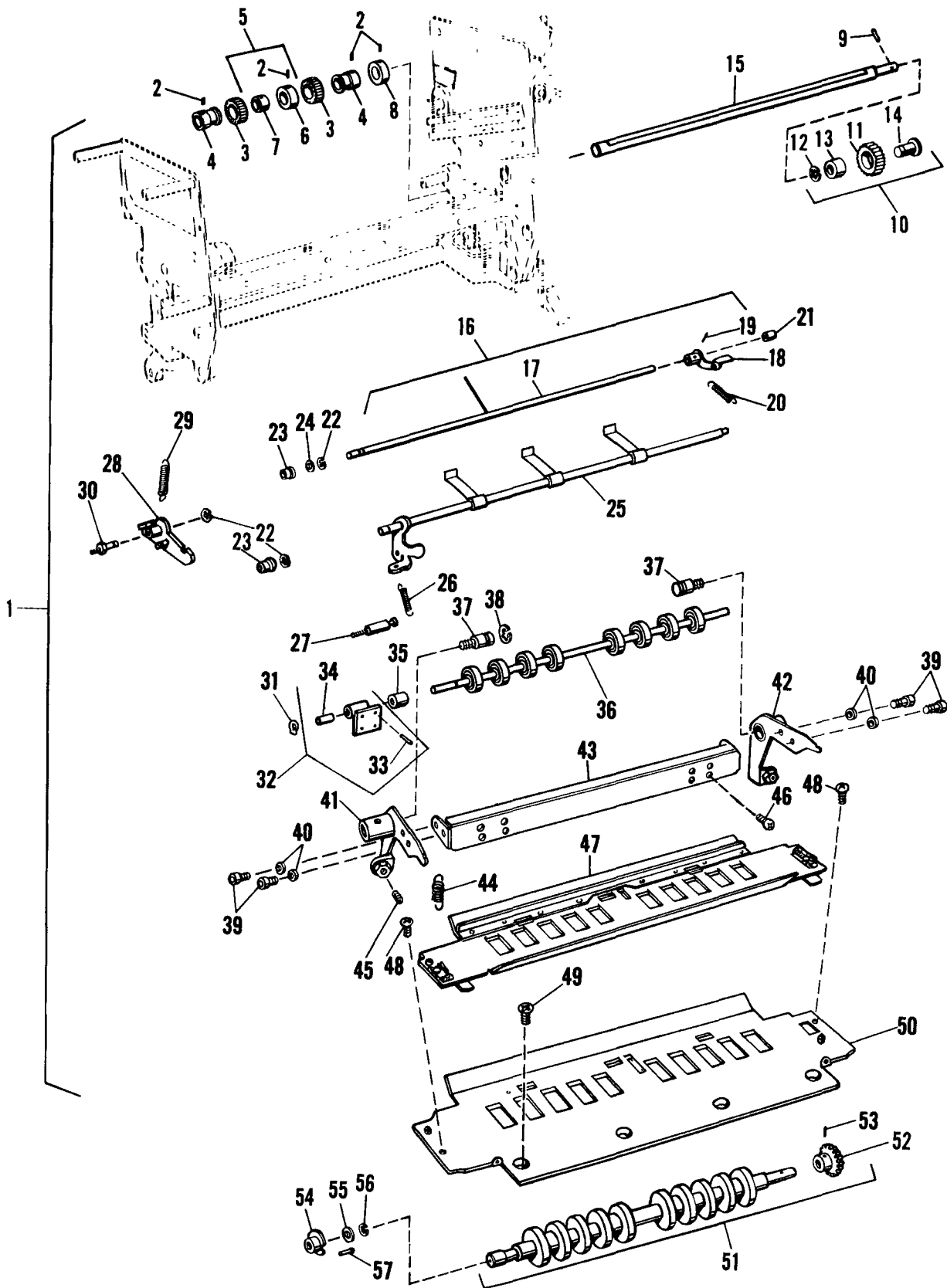


FIGURE 28 - MODEL 9865/9869
Master Forwarding Unit - Part I

parts catalog...

Index No.	Part No.	MODEL 9865/9869 - Figure 28 Description	Units Per Assy.
1	025075	MASTER FORWARDING UNIT ASSEMBLY	1
2	101007	SCREW - Set, 10-32 X 3/16	4
3	012659	FEED ROLL - Serrated	2
4	012660	HUB - Serrated Feed Roll	2
5	012444	FEED ROLL ASSEMBLY	1
6	*	FEED ROLL	1
7	*	HUB - Feed Roll	1
8	063206	COLLAR - Feed Roll Shaft	1
9	042150	PIN - Roll, .103 O.D. X .765	1
10	012147	GEAR ASSEMBLY - Feed Roll	1
11	*	GEAR - Feed Roll	1
12	001784	RING - Retaining External, .566 I.D. X .037	1
13	101020	CLUTCH - Gear Assembly	1
14	*	SLEEVE - Clutch	1
15	025097	SHAFT - Feed Roll	1
16	025094	FEELER SHAFT ASSEMBLY	1
17	*	FEELER SHAFT	1
18	*	LEVER - Feeler Shaft	1
19	100880	PIN - Roll, .086 O.D. X .515	1
20	192182	SPRING - Tension, .250 O.D. X 1.000 O.A.L. X .016	1
21	193762	BUSHING - .157 I.D. X .220 O.D. X .500	1
22	001060	RING - Retaining External, .208 I.D. X .027	4
23	011273	BUSHING - Feeler Shaft and Stop	2
24	192158	SPACER - Feeler Shaft	1
25	025092	STOP ASSEMBLY	1
26	072625	SPRING - Tension, .343 O.D. 1.125 O.A.L. X .039	1
27	193443	STUD - Spring	1
28	011253	LATCH ASSEMBLY	1
29	031307	SPRING - Tension, .222 O.D. X .656 O.A.L. X .020	1
30	195348	STUD - Spring	1
31	014465	RING - Retaining External, .301 I.D. X .045	2
32	011262	BRACKET - Roller	2
33	032868	PIN - Roll, .135 O.D. X .452 O.A.L.	4
34	001429	BUSHING - .315 I.D. X .439 O.D. .625	2
35	191782	SPACER - .318 I.D. X .562 O.D. X .150	1
36	025088	ROLLER ASSEMBLY	1
37	192065	STUD - Pivot Roll Lever	2
38	001094	RING - Retaining External, .394 I.D. X .044	1
39	014350	SCREW - 10-32 X 5/16	4
40	021563	WASHER - .194 I.D. X .375 O.D. X .029	4
41	011132	LEVER - Upper Forwarding Roll, R.H.	1
42	011133	LEVER - Upper Forwarding Roll, L.H.	1
43	025090	SUPPORT - Upper Forwarding Roll	1
44	195331	SPRING - Tension, 7/16 O.D. X 1-1/16 O.A.L. X .055	2
45	101554	SCREW - Set, 10-32 X 5/8	2
46	014215	SCREW - 10-32 X 3/8	4
47	025082	CHUTE	1
48	001575	SCREW - 10-32 X 5/16	2
49	014151	SCREW - 10-32 X 1/2	4
50	025079	TABLE -Machine	1
51	025084	ROLLER AND GEAR ASSEMBLY	1
52	*	GEAR	1
53	149344	PIN - Taper, .950 O.D. X .687	1
54	012537	BUSHING - Roller Shaft	1
55	005311	WASHER - .445 I.D. X .620 O.D. X .047	1
56	100884	RING - Retaining External, .415 I.D. X .053	1
57	192157	STUD - Roller Shaft Bushing	1
	*	Not Procurable Separately	

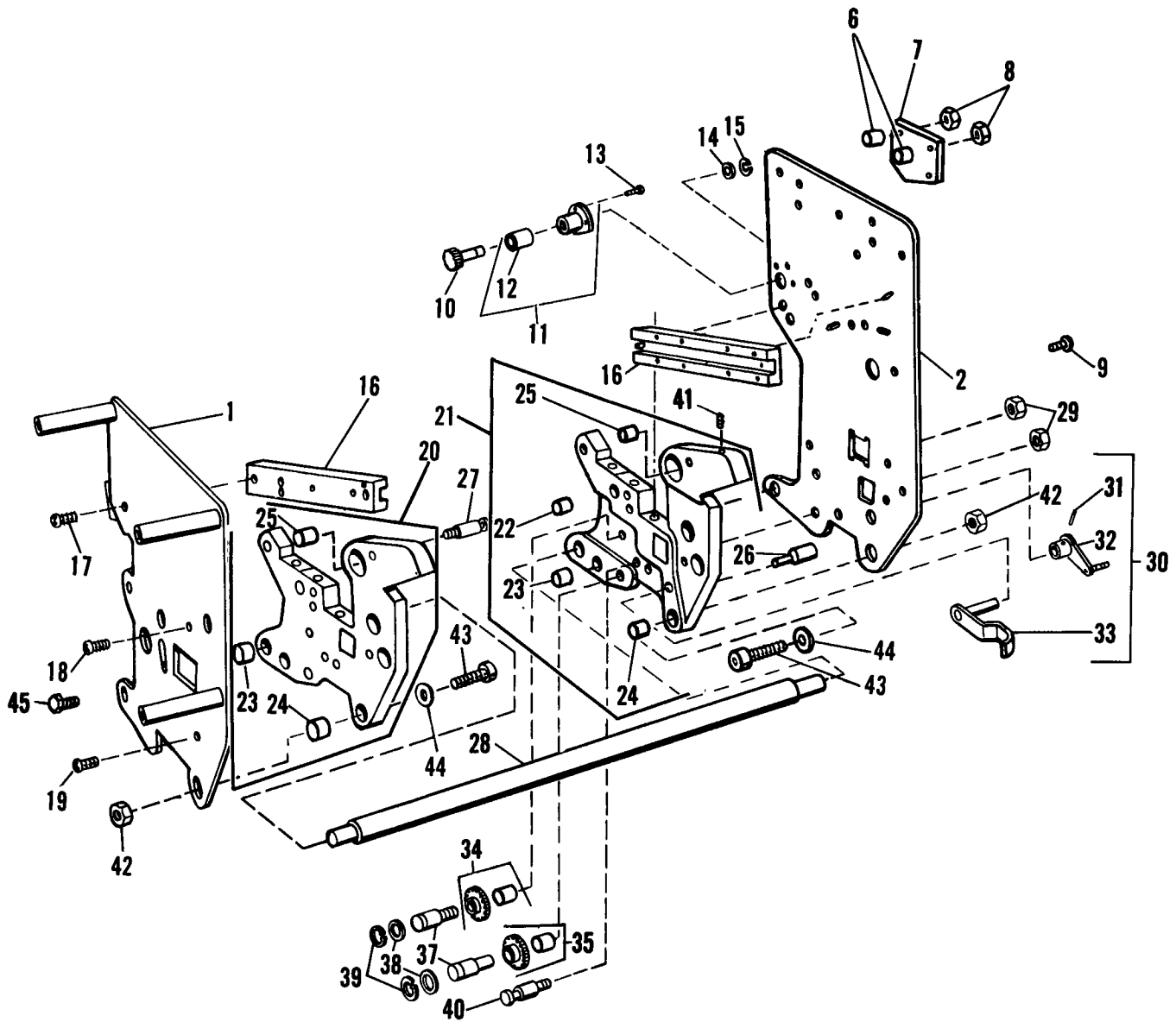


FIGURE 29 - MODEL 9865/9869
Master Forwarding Unit - Part II

parts catalog...

Index No.	Part No.	MODEL 9865/9869 - Figure 29 Description	Units Per Assy.
0	025075	MASTER FORWARDING UNIT ASSEMBLY	1
1	025098	FRAME - Etcher, O.S.	1
2	025100	FRAME - Etcher, N.O.S.	1
6	192073	BUSHING - .208 I.D. X .437 O.D. X .280	4
7	012275	PLATE	1
8	014808	NUT - 10-32	4
9	014136	SCREW - 10-32 X 7/16	6
10	012597	GEAR - Pinion Drive	1
11	012599	HUB AND BUSHING	1
12	*	BUSHING - .253 I.D. X .377 O.D. X .750	1
13	001106	SCREW - 10-32 X 5/16	3
14	021203	WASHER - .253 I.D. X .500 O.D. X .059	1
15	001060	RING - Retaining External, .208 I.D. X .027	1
16	025101	GUIDE - Rail	2
17	100122	SCREW - 10-32 X 7/16	2
18	001536	SCREW - 10-32 X 3/8	2
19	014110	SCREW - 1/4-28 X 1.000	2
20	011154	BLOCK MOUNTING ASSEMBLY - O.S.	1
21	012178	BLOCK MOUNTING ASSEMBLY - N.O.S.	1
22	001430	BUSHING - .441 I.D. X .565 O.D. X .500	1
23	001404	BUSHING - .379 I.D. X .504 O.D. X .500	2
24	012228	BUSHING - .379 I.D. X .500 O.D. X .309	2
25	014618	BUSHING - .629 I.D. X .752 O.D. X .500	2
26	012151	HUB	1
27	195348	STUD - Spring	1
28	025096	TIE BAR	1
29	150085	NUT - 1/4-28	2
30	012150	LATCH ASSEMBLY	1
31	001975	PIN - Roll, .103 O.D. X .500	1
32	*	LEVER	1
33	*	LEVER	1
34	012170	GEAR - Master Forwarding, 22 Teeth	1
35	012168	GEAR - Master Forwarding, 24 Teeth	1
36	001412	BUSHING - .441 I.D. X .565 O.D. X .375	2
37	192055	STUD - Master Forwarding Gear	2
38	190149	WASHER - .443 I.D. X .687 O.D. X .029	2
39	001098	RING - Retaining External, .339 I.D. X .037	2
40	077822	STUD - Spring	1
41	100367	SCREW - Set, 1/4-28 X 1/2	2
42	014810	NUT - 3/8-24	2
43	100860	SCREW - 3/8-24 X 1.00	2
44	001721	WASHER - .380 I.D. X .625 O.D. X .059	2
45	193609	SCREW - Shoulder	2
	*	Not Procurable Separately	

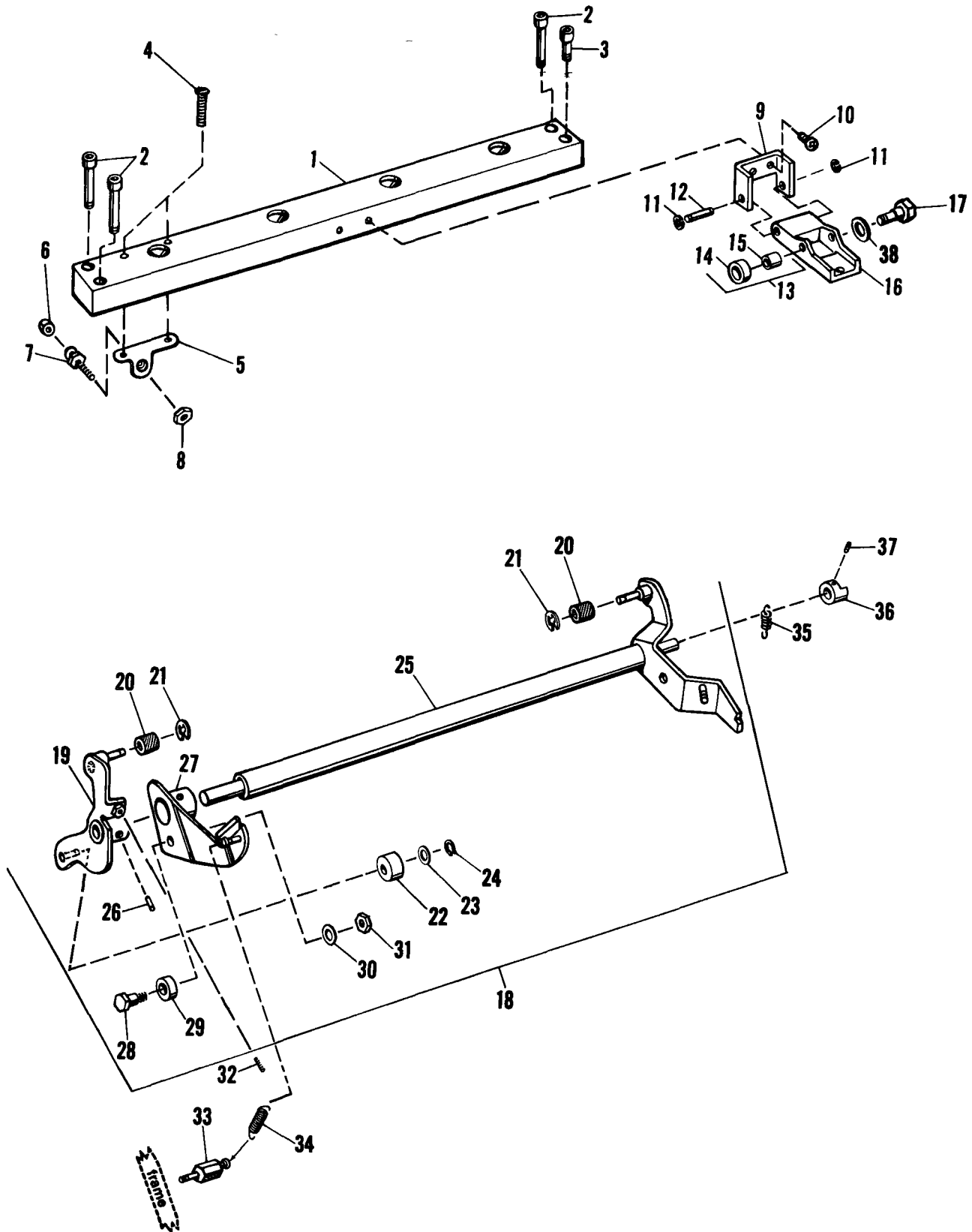


FIGURE 30 - MODEL 9865/9869
Master Forwarding Unit - Part III

parts catalog

Index No.	Part No.	MODEL 9865/9869 - Figure 30 Description	Units Per Assy.
0	025075	MASTER FORWARDING UNIT ASSEMBLY	1
1	025086	TIE BAR	1
2	100815	SCREW - 1/4-28 X 1.125	3
3	014234	SCREW - 1/4-28 X 1.000	1
4	001649	SCREW - 10-32 X 1/2	2
5	011256	BRACKET ASSEMBLY	1
6	011274	BUMPER	1
7	195366	SCREW - Bumper	1
8	001818	NUT - 1/4-28	1
9	012438	BRACKET - Mounting Separator Roll	1
10	014111	SCREW - 1/4-28 X 5/8	2
11	014465	RING - Retaining External, .301 I.D. X .045	2
12	192168	PIN - Hinge Separator Roll Lever	1
13	***	SEPARATOR ROLLER ASSEMBLY	1
14	012443	ROLLER - Separator	1
15	063117	BUSHING - Roller	1
16	012440	LEVER - Separator Roll	1
17	192877	STUD - Separator Roll	1
18	025076	OPERATING SHAFT AND LEVER ASSEMBLY	1
19	*	LEVER ASSEMBLY - R.H.	1
20	195175	TRUCK	2
21	001097	RING - Retaining External, .186 I.D. X .027	2
22	012687	TRUCK	1
23	192258	WASHER - .381 I.D. X .562 O.D. X .010	1
24	001047	RING - Retaining External, .340 I.D. X .027	1
25	*	LEVER AND SHAFT ASSEMBLY - L.H.	1
26	191252	PIN - Taper, .176 O.D. X 7/8	1
27	011252	BRACKET ASSEMBLY	1
28	195351	STUD - Follower	1
29	011259	TRUCK	1
30	001052	WASHER - .203 I.D. X .500 O.D. X .059	1
31	101051	NUT - 10-32	1
32	014245	SCREW - Set, 10-32 X 7/8	1
33	195404	STUD - Spring	1
34	041774	SPRING - Tension, .250 O.D. X .781 O.A.L. X .023	1
35	192181	SPRING - Tension, .250 O.D. X .859 O.A.L. X .024	1
36	012235	COLLAR	1
37	001650	SCREW - Set, 10-32 X 3/16	1
38	018062	WASHER - Plain, 21/64 I.D. X 5/8 O.D. X .059	1
	*	Not Procurable Separately	
	***	Not Salable As An Assembly	

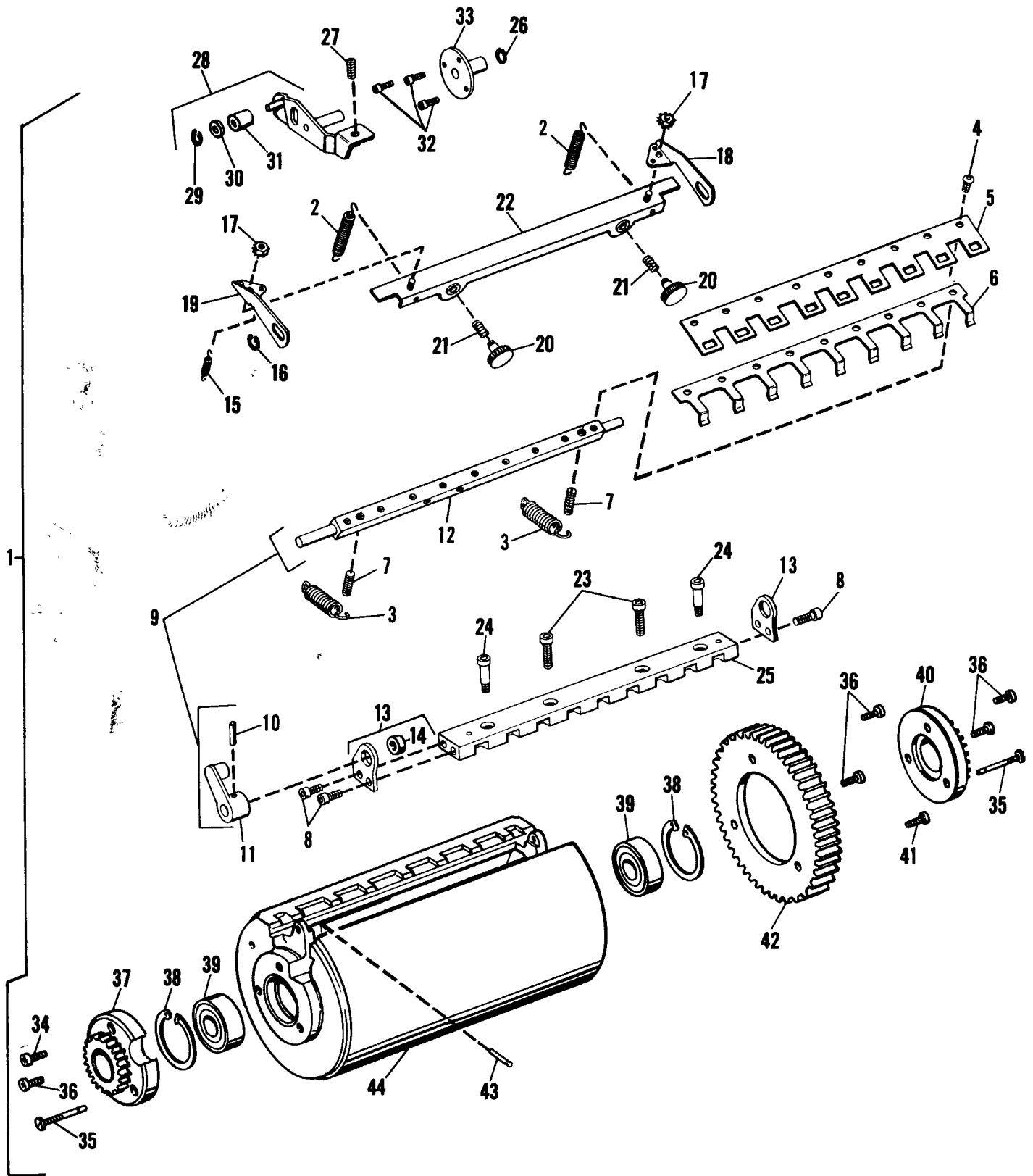


FIGURE 31 - MODEL 9865/9869
Master Cylinder Assembly

parts catalog...

Index No.	Part No.	MODEL 9865/9869 - Figure 31 Description	Units Per Assy.
1	***	CYLINDER ASSEMBLY - Master	1
2	077939	SPRING - Tension, .351 O.D. X 2.796 O.A.L. X .035	2
3	196427	SPRING - Tension, .489 O.D. X 1.750 O.A.L. X .065	2
4	100958	SCREW - Nylok, 8-32 X .375	11
5	025034	FINGER - Gripper	1
6	025468	FINGER - Stripper	1
7	195005	ANCHOR - Spring, 1/4-28	2
8	191498	SCREW - Shoulder, 1/4-28	4
9	025032	SHAFT ASSEMBLY - Gripper	1
10	100554	PIN - Spiral, .136 O.D. X .760	1
11	*	ARM	1
12	*	SHAFT	1
13	084225	BRACKET - Shaft	2
14	191497	BUSHING	1
15	073326	SPRING - Tension, .312 O.D. X .781 O.A.L. X .031	1
16	001095	RING - Retaining External, .245 I.D. X .027	1
17	014248	NUT - 10-32	2
18	025047	ARM - Tail Clamp, N.O.S.	1
19	025046	ARM - Tail Clamp, O.S.	1
20	195006	SCREW - Tension, 1/4-28	2
21	192997	SPRING - Conical Compression	2
22	025044	PLATE ASSEMBLY - Pin Bar	1
23	100246	SCREW - 1/4-20 X 1.000	2
24	100813	SCREW - Shoulder, 1/4-20	2
25	025036	ANVIL	1
26	001776	RING - Retaining External, .146 I.D. X .027	1
27	101757	SCREW - Set, 1/4-28 X .625	1
28	025038	LEVER ASSEMBLY - Arm	1
29	001049	RING - Retaining External, .227 I.D. X .027	1
30	193259	WASHER - .257 I.D. X .437 O.D. X .010	1
31	012716	TRUCK	1
32	014250	SCREW - 8-32 X 3/8	3
33	012827	HOUSING	1
34	084117	SCREW - Spring Stud	1
35	076122	ANCHOR - Spring	2
36	014111	SCREW - 1/4-28 X 5/8	5
37	025043	GEAR - Ducting Cam, O.S.	1
38	014516	RING - Retaining Internal, 2.742 O.D. X .081	2
39	080814	BEARING - Ball, 1.181 I.D. X 2.440 O.D. X .629	2
40	080910	GEAR - Cam Ducting, N.O.S.	1
41	053184	SCREW - Dowel, 1/4-28	1
42	025049	GEAR - Cylinder	1
43	001991	ANCHOR - Spring	2
44	025030	CYLINDER - Master	1
	*	Not Procurable Separately	
	***	Not Salable As An Assembly	
		Clean-up Mats (Supply 4-1410)	

parts catalog...

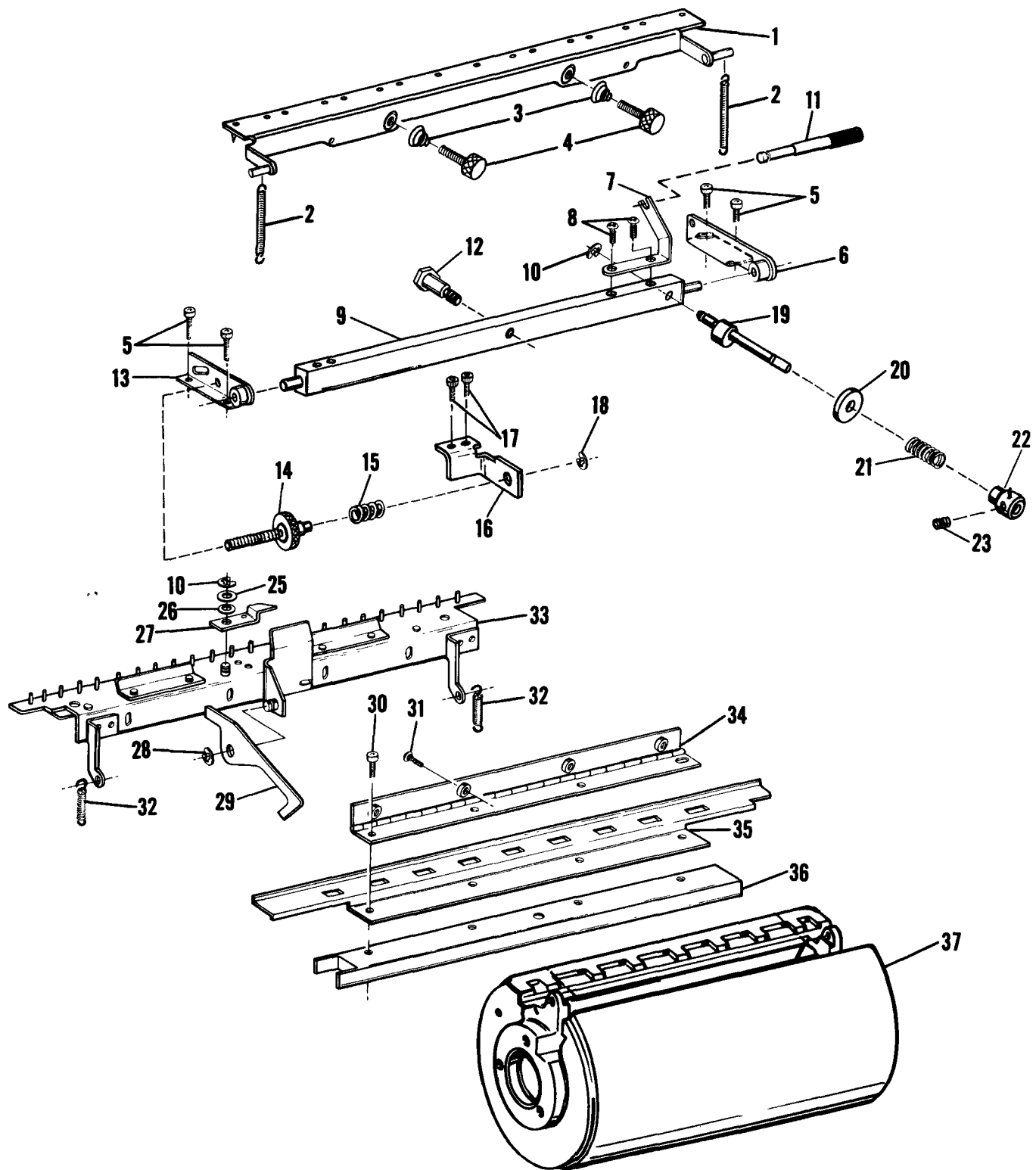


FIGURE 31A - MODEL 9870
Master Cylinder Assembly - Part I

parts catalog...

Index No.	Part No.	MODEL 9870 - Figure 31A Description	Units Per Assy.
1	009774	TAIL CLAMP ASSEMBLY	1
2	190137	SPRING - 13/32 O.D. x 2-5/8 O.A.L.	2
3	192997	SPRING - Conical, .270 I.D. x .530 I.D. x 19/32 O.A.L.	2
4	192919	SCREW - 1/4-28 x 7/8	2
5	014215	SCREW - 10-32 x 3/8	4
6	009788	BRACKET - Clamp, N.O.S.	1
7	009780	BRACKET - Clamp, Positioning	1
8	001106	SCREW - 10-32 x 5/16	2
9	018602	BAR	1
10	001060	RING - Retaining, .208 I.D.	2
11	194695	PIN - Spring Anchor	4
12	196425	SCREW - Pivot	1
13	018595	BRACKET - Clamp, O.S.	1
14	018594	KNOB - Lateral Adjustment	1
15	190329	SPRING - Compression, 11/32 I.D. x 3/8 O.A.L.	1
16	018596	BRACKET - Lateral Adjustment	1
17	014250	SCREW - Cap, 8-32 x 3/8	2
18	014504	RING - Retaining, .146 I.D.	1
19	018593	ECCENTRIC - Swivel Adjustment	1
20	195837	WASHER - 17/64 I.D. x 3/4 O.D. x .125	1
21	077836	SPRING - Compression, 25/64 O.D. x 23/32 O.A.L.	1
22	018599	KNOB ASSEMBLY - Swivel Adjustment	1
23	001207	SCREW - Set, 8-32 x 3/16	1
25	021203	WASHER - .255 I.D. x .500 O.D.	1
26	001725	WASHER - Spring, 17/64 I.D. x 7/16 O.D.	1
27	009777	LEVER - Lockout	1
28	001095	RING - Retaining, .245 I.D.	1
29	009796	LEVER	1
30	014215	SCREW - Cap, 10-32 x 3/8	4
31	001588	SCREW - 10-32 x 1/4	4
32	080238	SPRING - 17/64 I.D. x 2.000 O.A.L.	2
33	018623	CLAMP ASSEMBLY - Universal	1
34	009757	HINGE ASSEMBLY	1
35	018604	PLATE - Clamp	1
36	018603	BAR - Radial Adjustment	1
37	009751	MASTER CYLINDER	1
38	018624	HEAD CLAMP ASSEMBLY	1

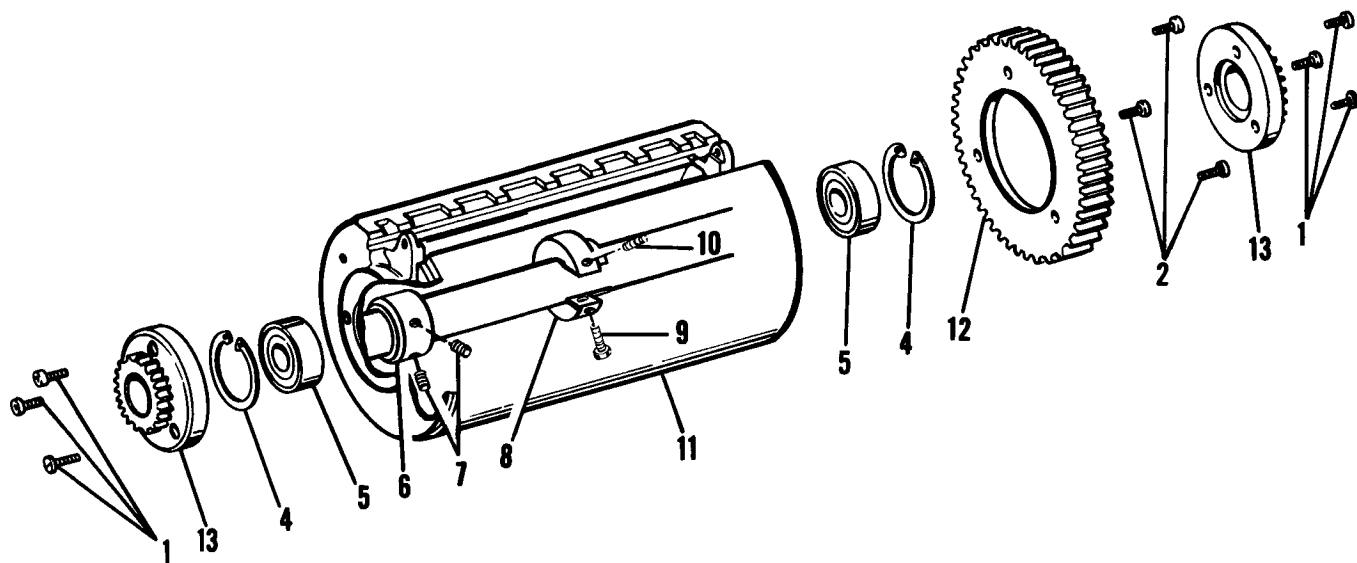


FIGURE 31B - MODEL 9870
Master Cylinder Assembly - Part II

parts catalog...

Index No.	Part No.	MODEL 9870 - Figure 31B Description	Units Per Assy.
1	014111	SCREW - 1/4-28 x 5/8	6
2	100653	SCREW - 1/4-28 x 3/4	3
4	014516	RING - Retaining, 2.742 O.D.	2
5	080814	BEARING	2
6	080820	COLLAR - Cylinder Locking	1
7	014206	SCREW - Set, 1/4-28 x 3/8	2
8	009794	COLLAR ASSEMBLY	1
9	100201	SCREW - 1/4-28 x 7/8	1
10	100167	SCREW - Set, 1/4-28 x 5/8	1
11	009751	MASTER CYLINDER	1
12	009791	GEAR - Master Cylinder	1
13	080910	GEAR - Ducting Gear	2

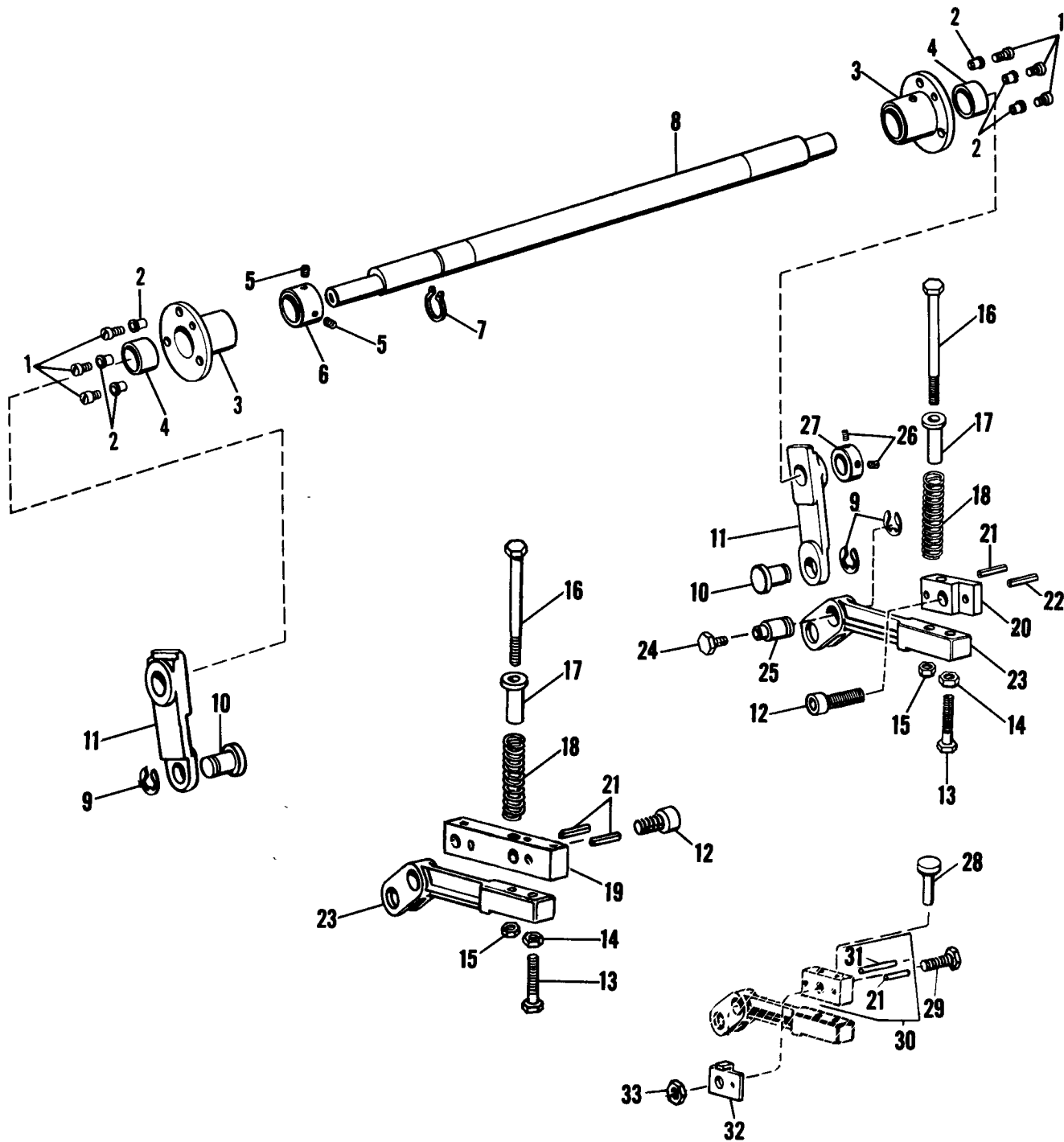


FIGURE 32 - MODEL 9865/9869
Master Cylinder Shaft and Support Arms

parts catalog...

Index No.	Part No.	MODEL 9865/9869 - Figure 32 Description	Units Per Assy.
1	100141	SCREW - 1/4-28 X 1/2	6
2	080972	SPACER - Master Cylinder, Shaft Bearing	6
3	082057	BEARING ASSEMBLY	2
4	*193603	BUSHING - 1.125 I.D. X 1.315 O.D. X .625	2
5	014206	SCREW - Set, 1/4-28 X 3/8	2
6	080820	COLLAR - Shaft	1
7	014517	RING - Retaining External, 1.039 I.D. X .052.....	1
8	007628	SHAFT - Master Cylinder	1
9	001094	RING - Retaining External, .394 I.D. X .044	3
10	072394	PIVOT - Support Link	2
11	080911	LINK SUPPORT - Master Cylinder	2
12	100857	SCREW - 3/8-24 X 1-3/8 (M-9865/69)	2
13	014173	SCREW - 5/16-18 X 1-1/2	2
14	001840	NUT - 5/16-18	2
15	001821	NUT - 1/4-28	2
16	014172	BOLT - 1/4-28 X 3-3/4	2
17	072416	GUIDE - Support arm Spring	2
18	194808	SPRING - Compression, .794 O.D. X 2.937 O.A.L. X .090	2
19	072399	BLOCK ASM. - Master Cyl. Support Arm, O.S. (M-9865/69).....	1
20	012277	BLOCK ASM. - Master Cyl. Support Arm N.O.S. (M-9865/69)....	1
21	001986	PIN - Roll, .199 O.D. X .952 N.O.S.	3
21	014972	PIN - Spirol, .202 O.D. X .937 O.S.	2
22	100176	PIN - Roll, .199 O.D. X .577	1
23	080716	SUPPORT ARM - Master Cylinder	2
24	080715	SCREW - Support Arm Stud, 5/16-24	2
25	080717	STUD - Support Arm	2
26	014390	SCREW - Set, 10-32 X 1/4	2
27	080956	COLLAR - .504 I.D. X 15/16 O.D. X 13/32	1
28	080447	PIN - Separator	2
29	014121	SCREW - 3/8-24 x 1-1/4	2
30	010372	BLOCK - Support Arm, W/Gap Control	2
31	100131	PIN - Roll, .199 O.D. x 1.230 O.A.L.	1
32	078346	LEVER - Stop,	1
33	150089	NUT - 3/8-24	2
	*	Not Procurable Separately	

parts catalog

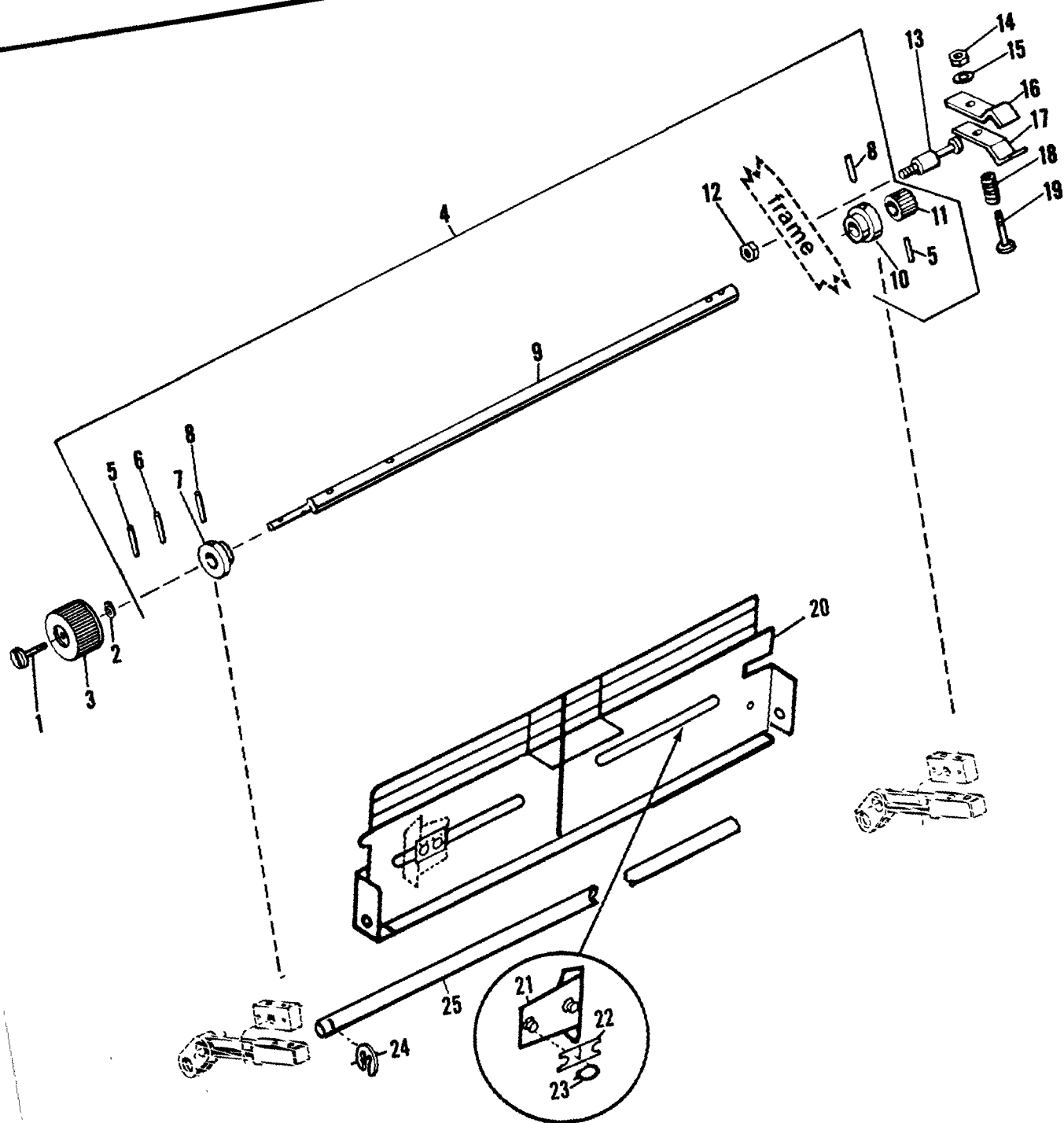


FIGURE 32A - MODEL 9870
Gap Control - Master Cylinder

parts catalog

Index No.	Part No.	MODEL 9870 - Figure 32A Description	Units Per Assy.
1	196246	SCREW - Special, 10-32 x 3/4	1
2	039642	RING - Vinyl, .135 I.D. x .075	1
3	017735	KNOB	1
4	078338	SHAFT ASSEMBLY - Gap Control, QP, QPC and PRO	1
5	001980	PIN - Roll, .135 O.D. x .640 O.A.L.	2
6	101876	PIN - Roll, .135 O.D. x 1.575 O.A.L.	1
7	080448	CAM - O.S.	1
8	001992	PIN - Roll, .135 O.D. x 1.015 O.A.L.	2
9	*078337	SHAFT - Gap Control	1
10	080449	CAM - N.O.S.	1
11	073551	DRAG - Gap Clamp	1
12	150085	NUT - 1/4-28	1
13	193323	STUD - 1/4-28.....	1
14	101051	NUT - 10-32	1
15	001702	WASHER - .195 I.D. x .500 O.D. x .029	1
16	080452	CLAMP	2
18	077836	SPRING - Compression, .400 O.D. x .718 O.A.L.	1
19	077301	SCREW - Shoulder, 10-32	1
20	022783	TABLE ASSEMBLY - Master Load	1
21	007988	GUIDE	2
22	027291	SPRING - Strip	2
23	014463	RING - Retaining, .183 I.D.	4
24	001060	RING - Retaining, .208 I.D.	1
25	007980	SHAFT - Table Support	1
	*	Not Procurable Separately	

parts catalog

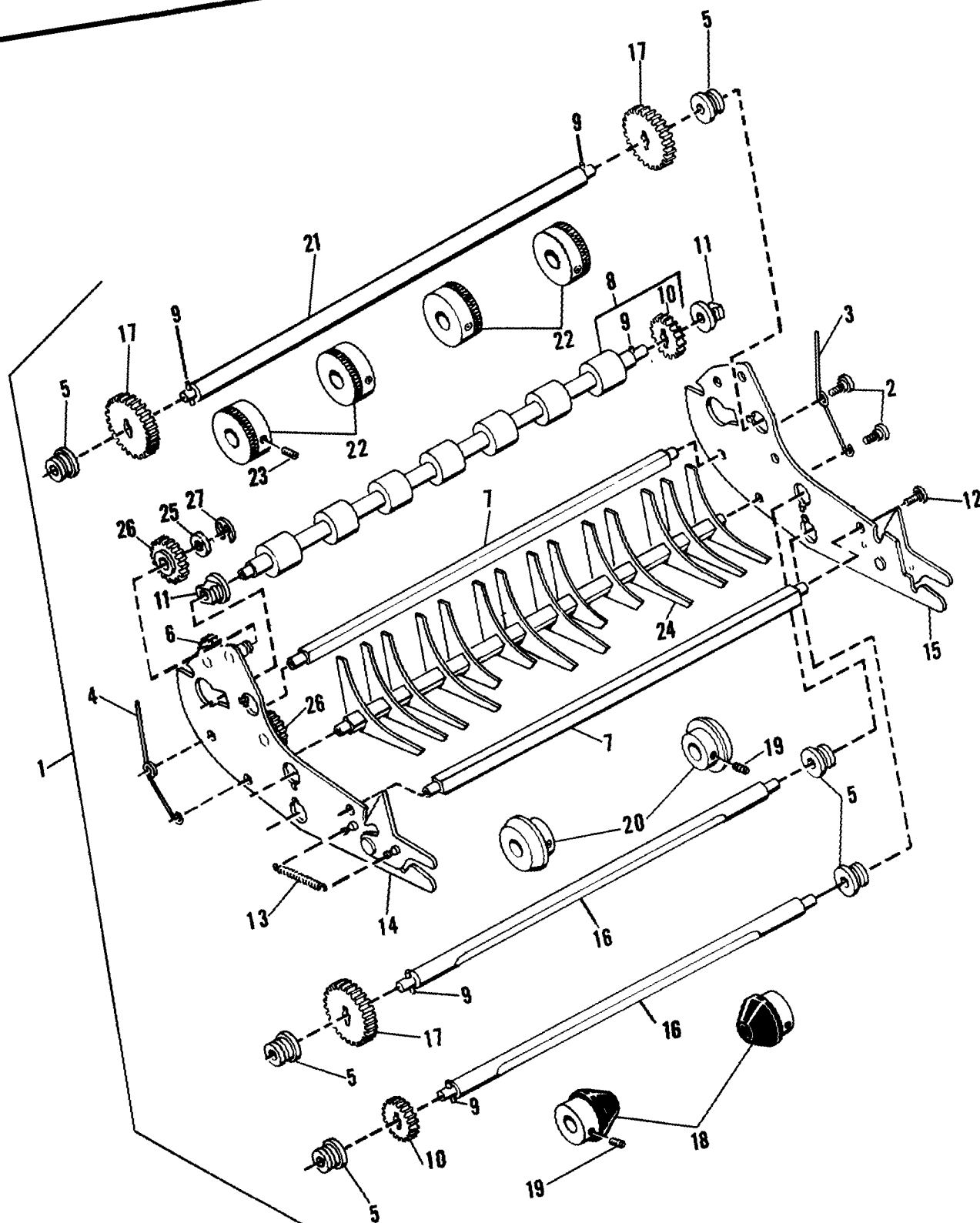


FIGURE 33 - MODEL 9865/9869
Master Ejector Assembly

parts catalog

Index No.	Part No.	MODEL 9865/9869 - Figure 33 Description	Units Per Assy.
1	025023	MASTER EJECTOR ASSEMBLY	1
2	195127	SCREW - Double Shoulder	4
3	025446	SPRING - Tension, O.S.	1
4	025447	SPRING - Tension, N.O.S.	1
5	195185	BUSHING	6
6	025233	GEAR	1
7	025229	TIE ROD	2
8	025226	ROLLER ASSEMBLY	1
9	149329	PIN - Spiral, .105 O.D. X .635 O.A.L.	1
10	025228	GEAR	1
11	011181	BEARING	2
12	074375	SCREW - Shoulder, 1/4-28	2
13	016783	SPRING - Tension, 1.250 O.A.L.	2
14	025220	FRAME ASSEMBLY - N.O.S.	1
15	025216	FRAME ASSEMBLY - O.S.	1
16	025231	SHAFT	1
17	025225	GEAR	3
18	084462	DRIVE WHEEL - Lower	2
19	014372	SCREW - Set, 10-32 X 1/4	4
20	084461	DRIVE WHEEL - Upper	2
21	025224	SHAFT	1
22	011272	ROLLER	4
23	100216	SCREW - Set, 10-32 X 1/4	4
24	025210	CHUTE ASSEMBLY	1
25	191826	WASHER - .313 I.D. X 9/16 O.D.	3
26	025234	GEAR	2
27	001046	RING - Retaining, .292 I.D.	3

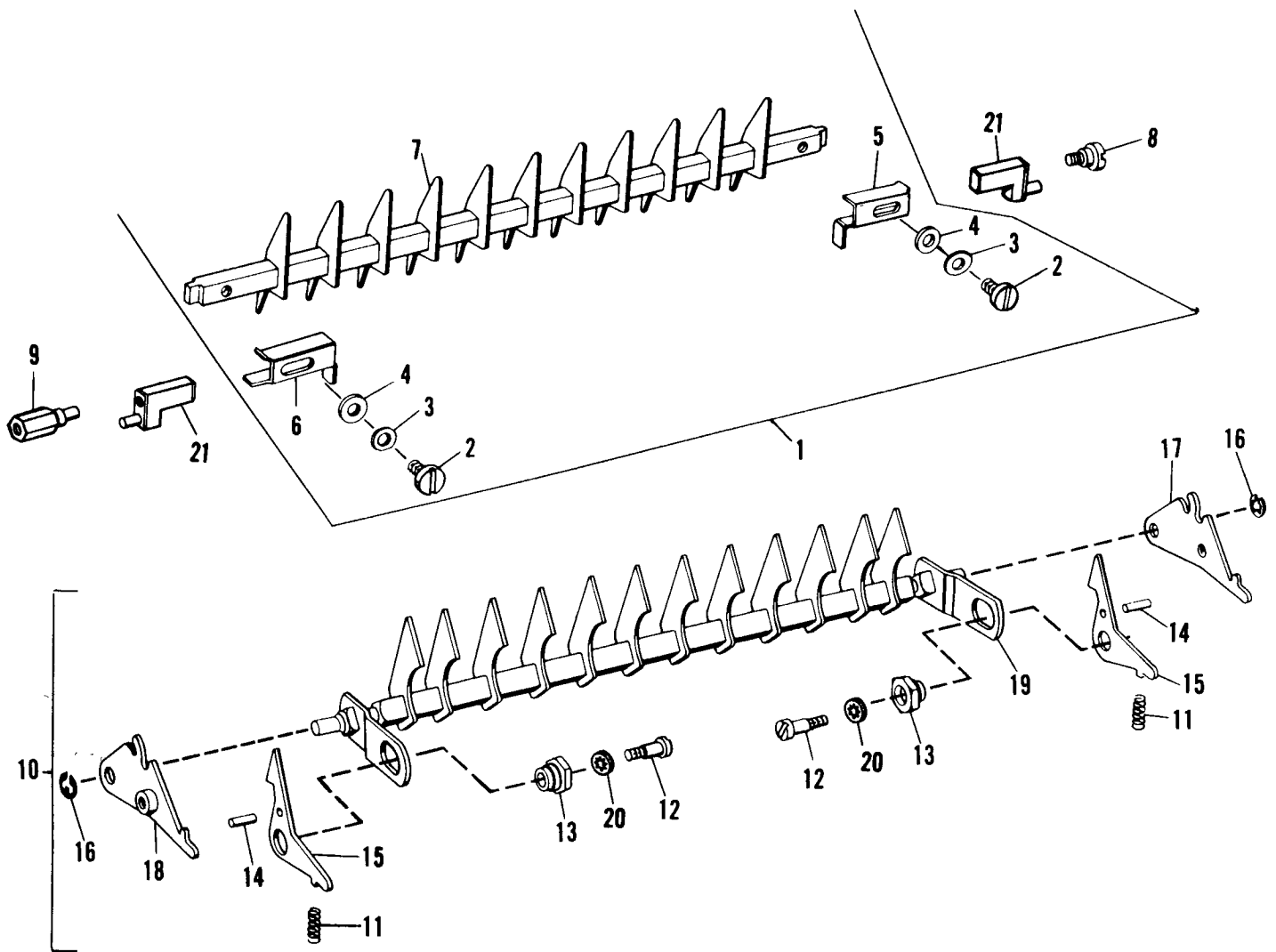


FIGURE 34 - MODEL 9865/9869
Master Ejector Guide and Stripper

parts catalog...

Index No.	Part No.	MODEL 9865/9869 - Figure 34 Description	Units Per Assy.
1	025207	UPPER GUIDE ASSEMBLY	1
2	014216	SCREW - Shoulder, 10-32	2
3	014754	WASHER - Spring, .260 I.D.	2
4	021203	WASHER - .254 I.D.	2
5	084059	CLIP - Upper Guide, O.S.	1
6	011176	CLIP - Upper Guide, N.O.S.	1
7	025208	GUIDE - Upper Ejection	1
8	195651	SCREW - Shoulder, 1/4-28	1
9	195650	SPACER - Dowel Screw	1
10	025200	STRIPPER UNIT ASSEMBLY	1
11	004256	SPRING - Compression, .750 O.A.L.	2
12	195181	SCREW - Shoulder, 1/4-28	2
13	195184	BUSHING - Eccentric	2
14	100582	PIN - Roll, .135 O.D. X .327	2
15	025206	LATCH - Stripper	2
16	001095	RING - Retaining, .245 I.D.	2
17	025203	LATCH - Frame, O.S.	1
18	025204	LATCH - Frame, N.O.S.	1
19	025201	STRIPPER CHUTE ASSEMBLY	1
20	001730	WASHER - Lock, .291 I.D. X .500 O.D. X .030	2
21	013910	SUPPORT ASSEMBLY - Stripper	2

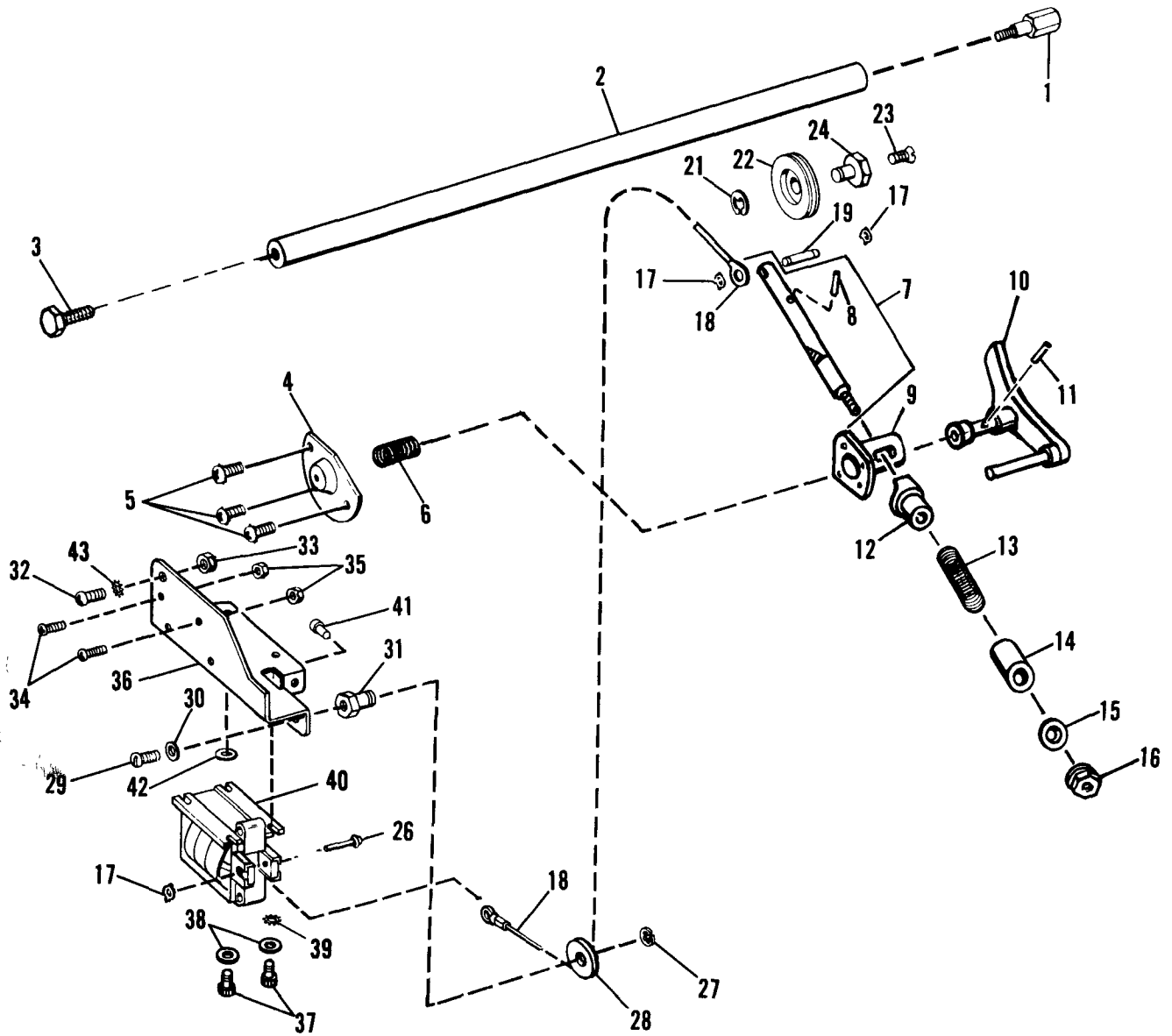


FIGURE 35 - MODEL 9865/9869
Master Ejection Solenoid Assembly

parts catalog...

Index No.	Part No.	MODEL 9865/9869 - Figure 35 Description	Units Per Assy.
1	193605	SPACER - Tie Bar	1
2	007575	TIE BAR	1
3	193601	SCREW - Shoulder Dowel, 5/16-24 O.S.	1
4	084077	CAP - Ejection Housing	1
5	014275	SCREW - 10-32 X 1/2	3
6	192035	SPRING - Compression, .364 O.D. X 1.000 O.A.L. X .029	1
7	013933	PLUNGER AND PIN ASSEMBLY	1
8	101330	PIN - Roll, .136 O.D. X .635 O.A.L.	1
9	011195	HOUSING	1
10	011194	EJECT CAM ASSEMBLY	1
11	195191	PIN - .189 O.D. X .624 O.A.L.	1
12	013931	GUIDE - Spring	1
13	195656	SPRING - Compression, .628 O.D. X 1-21/32 O.A.L.	1
14	013932	COVER - Spring	1
15	195189	WASHER - .327 I.D. X .725 O.D. X .032	1
16	150087	NUT - 5/16-24	1
17	014515	RING - Retaining Plastic, .080 I.D. X .045	4
18	084238	CABLE ASSEMBLY	1
19	192034	PIN - Solenoid, .125 O.D. X .920 O.A.L.	1
21	001047	RING - Retaining External, .340 I.D. X .027	1
22	012241	PULLEY - Cable, Upper	1
23	100957	SCREW - 1/4-28 X 1/2	1
24	192074	STUD - Pulley, 1/4-28	1
26	075074	PIN - Solenoid, .125 O.D. X .550 O.A.L.	1
27	001094	RING - Retaining External, .394 I.D. X .044	1
28	084244	PULLEY - Cable, Lower	1
29	001594	SCREW - 1/4-28 X 1/2	1
30	014788	WASHER - .260 I.D. X .625 O.D. X .093	2
31	191974	STUD - Pulley	1
32	014266	SCREW - 1/4-28 X 11/16	1
33	014807	NUT - 1/4-28	1
34	014208	SCREW - 10-32 X 5/8	2
35	014808	NUT - 10-32	2
36	084239	BRACKET	1
37	014215	SCREW - 10-32 X 5/16	4
38	021861	WASHER - .196 I.D. X .437 O.D. X .047	4
39	001706	WASHER - Lock, #10	4
41	059018	BUMPER - Solenoid	1
42	100507	GROMMET	1
43	001740	WASHER - Lock, 1/4	1

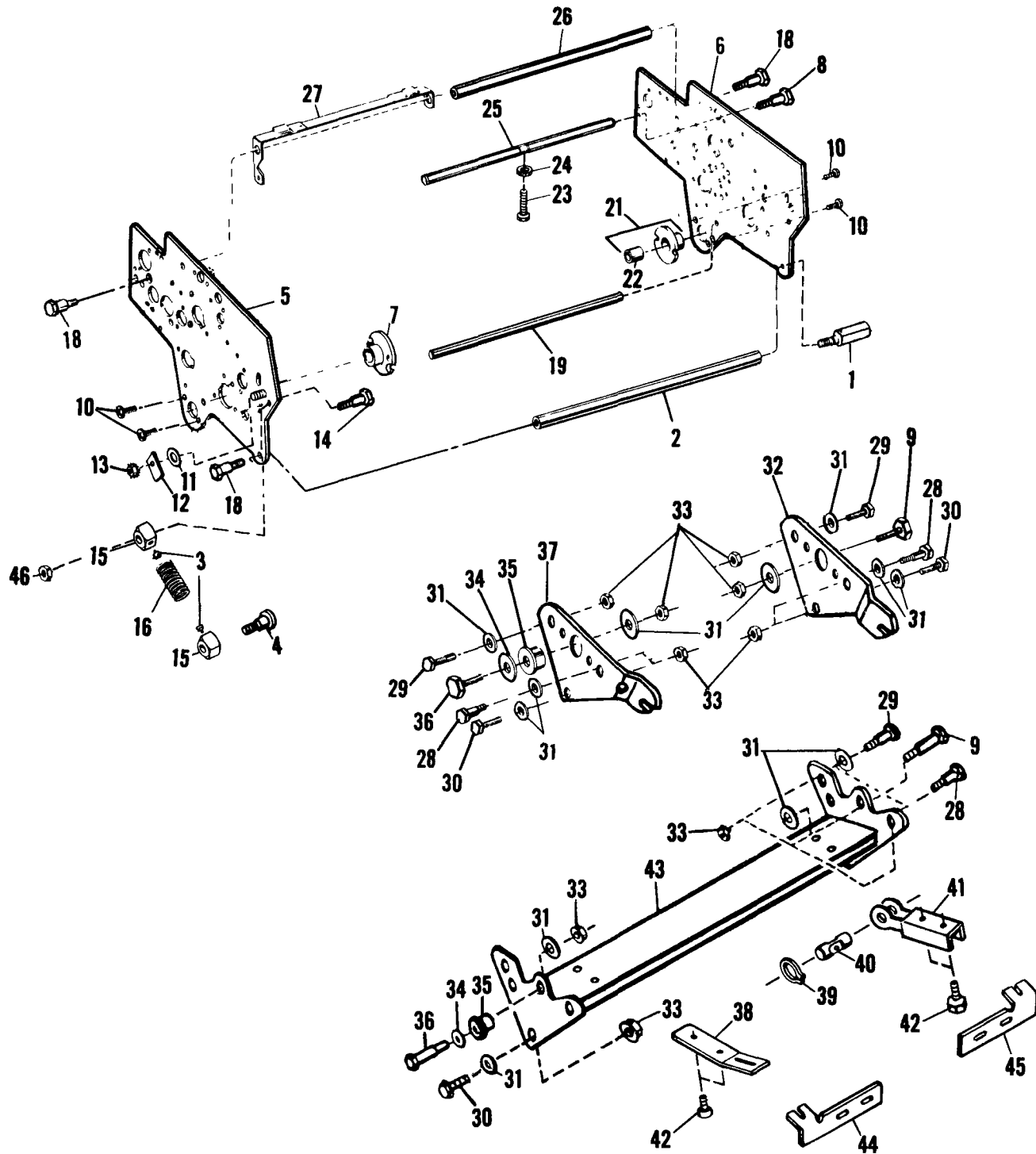


FIGURE 36 - MODEL 9865/9869
Ink Head Side Frames

parts catalog...

Index No.	Part No.	MODEL 9865/9869 - Figure 36 Description	Units Per Assy.
1	193605	SCREW - Special, 5/16-24	1
2	007575	TIE BAR	1
3	073330	SCREW - Special, 10-32	4
4	192063	SCREW - Shoulder, 1/4-28 (M-9865/69)	2
4	072349	SCREW - Eccentric, 1/4-28	2
5	016212	FRAME - Upper, O.S. (M-9865/69)	1
5	016206	FRAME - Upper, O.S. (M-9870)	1
6	016213	FRAME - Upper, N.O.S. (M-9865/69)	1
6	016207	FRAME - Upper, N.O.S. (M-9870)	1
7	074324	BUSHING ASSEMBLY - Eccentric	1
8	196264	SCREW - Dowel, 1/4-28	2
9	073140	SCREW - Pivot, 3/8-24 X 5/8	1
10	111054	SCREW - 10-32 X 1/2	4
11	021150	WASHER - .265 I.D. X .437 O.D. (M-9865/69)	3
11	021268	WASHER - .265 I.D. X .437 O.D. (M-9870)	3
12	007745	GUIDE	3
13	003578	NUT - 1/4-28 (M-9865/69)	3
13	150085	NUT - 1/4-28 (M-9870)	3
14	074375	SCREW - Eccentric, 1/4-28 (M-9865/69)	2
15	012245	BLOCK - Eccentric, Spring (M-9865/69)	4
15	072398	BLOCK - Eccentric, Spring (M-9870)	4
16	072424	SPRING - Compression, .537 O.D. X 1.343 O.A.L.	2
18	193601	SCREW - Shoulder, 5/16-24	5
19	025124	TIE BAR	1
21	074323	BUSHING ASSEMBLY - N.O.S.	1
22	014606	BUSHING - .629 I.D. X .753 O.D. X .630 O.A.L.	1
23	001260	SCREW - Adjusting, 10-32 X 1-1/4	1
24	001812	KNOB	1
25	017996	TIE BAR	1
26	008024	TIE BAR	1
27	007582	REST ASSEMBLY - (TD and CD)	1
28	191427	SCREW - Shoulder, 3/8-24	2
29	194823	SCREW - Shoulder, 3/8-24	2
30	111099	SCREW - 3/8-24 X 7/8	2
31	191428	WASHER - .510 I.D. X 1.000 O.D.	8
32	013495	PLATE - Head Support - N.O.S.	1
33	150089	NUT - 3/8-24	8
34	021911	WASHER - .578 I.D. X .875 O.D.	1
35	084289	BUSHING - Eccentric	1
36	084291	SCREW - Shoulder, 3/8-24	1
37	013494	PLATE - Head Support, O.S.	1
38	022839	GUIDE - Lateral, (M-9870)	1
39	001047	RING - Retaining, .340 I.D. x .027 (M-9870)	4
40	022745	TRUNNION	2
41	022746	YOKE - Trunnion, Mounting (M-9870)	2
42	111051	SCREW - 10-32 x 5/16	6
43	022748	TIE BAR ASSEMBLY (M-9870)	1
44	022844	GUIDE - Lateral O.S. (M-9870)	1
45	022845	GUIDE - Lateral N.O.S. (M-9870)	1
46	014807	NUT - 1/4 - 28	4

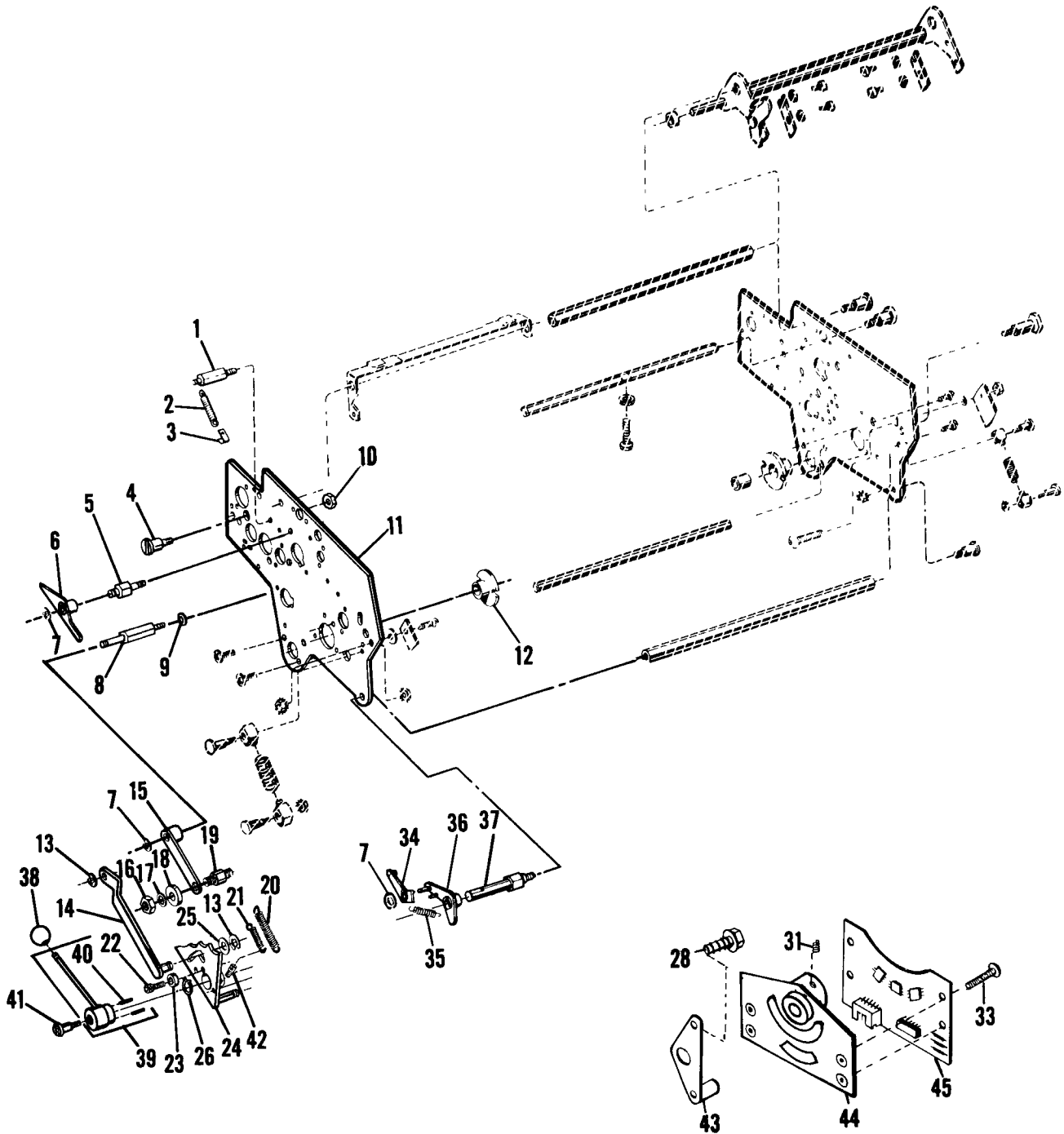


FIGURE 36A - MODEL 9870
Ink Head Side Frames

parts catalog

Index No.	Part No.	MODEL 9870 - Figure 36A Description	Units Per Assy.
1	075644	STUD - Spring	1
2	064589	SPRING - Tension, .250 O.D. x 1.187 O.A.L.	1
3	073107	HOOK - Spring	1
4	193601	SCREW - Shoulder, 5/16-24	3
5	191034	STUD - Lockout Lever, 1/4-28	1
6	071611	LEVER - Aquamatic Lockout	1
7	001060	RING - Retaining, .208 I.D.	3
8	191935	STUD - Detent Lever	1
9	190631	WASHER - .275 I.D. x 9/16 O.D.	1
10	014808	NUT - 10-32	1
11	016206	FRAME - Upper, O.S.	1
12	074324	BUSHING ASSEMBLY - Eccentric	1
13	001095	RING - Retaining, .245 I.D.	2
14	071596	LINK - Control	1
15	071606	LEVER - Detent	1
16	001812	NUT - 10-32	1
17	000666	WASHER - Lock, .194 I.D. x .281 O.D.	1
18	064234	TRUCK - Detent Lever	1
19	191934	STUD - Spring	1
20	020379	SPRING - Tension, .375 O.D. x 1.593 O.A.L.	1
21	193397	SPRING - Tension, .390 O.D. x 1.281 O.A.L.	1
22	014350	SCREW - 10-32 x 5/16	1
23	071610	DISC - Eccentric	1
24	075537	CAM - Sequence Control	1
25	018062	WASHER - .328 I.D. x .625 O.D.	1
26	001048	RING - Retaining, .463 I.D.	1
28	100657	SCREW - 10-32 x 5/16	1
31	014372	SCREW - Set, 10-32 x 1/4	2
33	001541	SCREW - 6-32 x 1/4	4
34	016941	LEVER - Overtravel	1
35	022343	SPRING - 3/16 O.D. x 29/32 O.A.L.	1
36	016942	LEVER - Image Control	1
37	084407	STUD	1
38	017819	KNOB	1
39	017744	LEVER - Control,	1
40	100827	PIN - Spiral, .168 O.D. x .635 O.A.L.	2
41	196249	SCREW - Shoulder, 1/4-28	1
42	191939	STUD - Spring	1
43	017481	MAGNET ASSEMBLY - Hall Effect	1
44	017477	PLATE ASSEMBLY - Sensor, Hall Effect	1
45	017734	P. C. BOARD ASSEMBLY - Sensor, Hall Effect	1

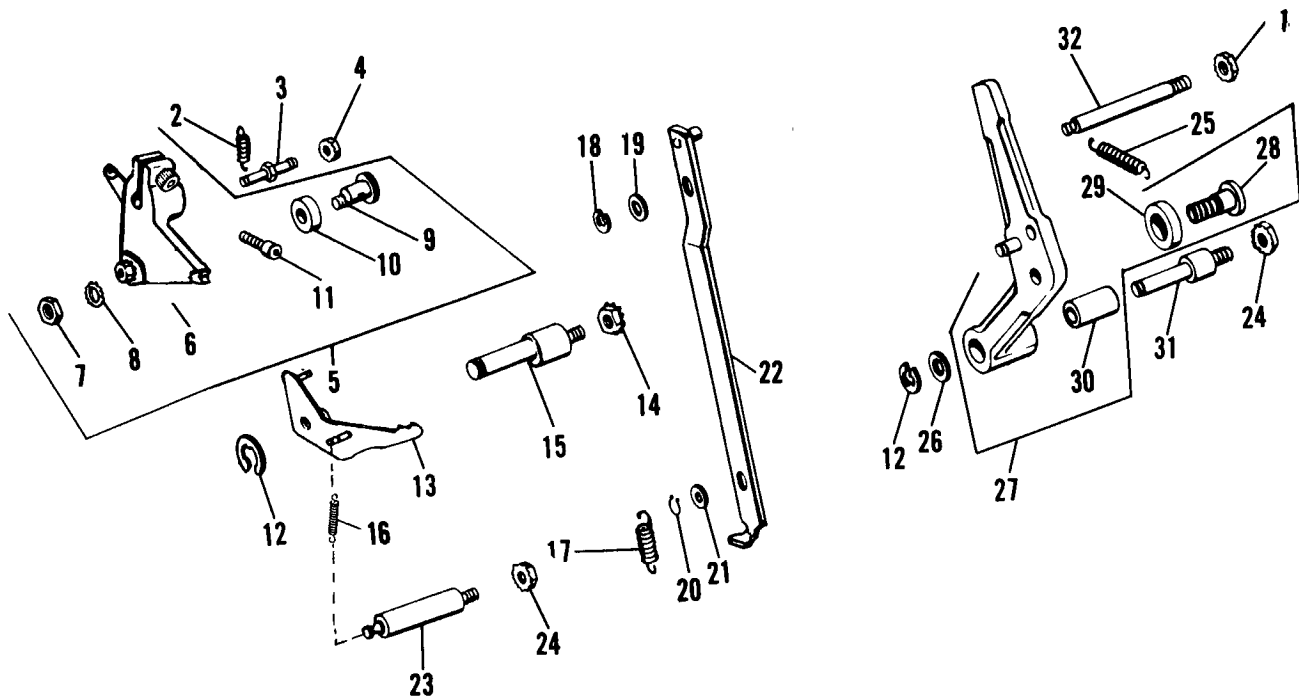


FIGURE 37 - MODEL 9865/9869
Master Cylinder Latch and Power Lever

parts catalog...

Index No.	Part No.	MODEL 9865/9869 - Figure 37 Description	Units Per Assy.
1	014808	NUT - 10-32	1
2	190148	SPRING - Tension, .406 O.D. X 2.312 O.A.L. X .061	1
3	190768	STUD - Spring	1
4	014808	NUT - 10-32	1
5	080952	LEVER ASSEMBLY - Master Cylinder, (M-9865/69)	1
5	017627	LEVER ASSEMBLY - Master Cylinder, (M-9870)	1
6	081156	LEVER - (M-9865/69)	1
7	001818	NUT - 1/4-28	1
8	001740	WASHER - Lock, .262 I.D. X .500 O.D. X .025	1
9	072357	SCREW - Eccentric, 1/4-28	1
10	072358	TRUCK	1
11	100891	SCREW - 1/4-20 X 1.000	1
12	001080	RING - Retaining External, .302 I.D. X .037	2
13	025268	LEVER ASSEMBLY - Latch, (M-9865/69)	1
13	072370	LEVER ASSEMBLY - Latch, (M-9870)	1
14	001821	NUT - 1/4-28	1
15	072373	STUD - Latch Lever	1
16	072511	SPRING - Tension, .250 O.D. X 1.125 O.A.L. X .018	1
17	041777	SPRING - Tension, .312 O.D. x 1.344 O.A.L. (M-9870)	1
18	001060	RING - Retaining, .208 I.D. x .527 O.D. x .027 ... (M-9870)	3
19	021203	WASHER - .254 I.D. x .500 O.D. x .029 (M-9870)	1
20	001062	RING - Retaining, .250 I.D. x .027 (M-9870)	1
21	016574	WASHER - .315 I.D. x .687 O.D. x .047 (M-9870)	1
22	072386	LATCH LINK ASSEMBLY - Master Cylinder (M-9870)	1
23	195139	STUD - Spring, (M-9865/69)	1
23	017578	STUD - Latch Link, (M-9870)	1
24	150085	NUT - 1/4-28	2
25	072442	SPRING - Tension, .343 O.D. X 2.000 O.A.L. .040	2
26	014727	WASHER - .382 I.D. X .750 O.D. .029	1
27	072040	LEVER ASSEMBLY - Power	1
28	192323	SCREW - Shoulder, 1/4-28	1
29	072367	TRUCK	1
30	001446	BUSHING - .379 I.D. X .503 O.D. X .875	1
31	072369	STUD - Power Lever	1
32	072129	STUD - Spring	1

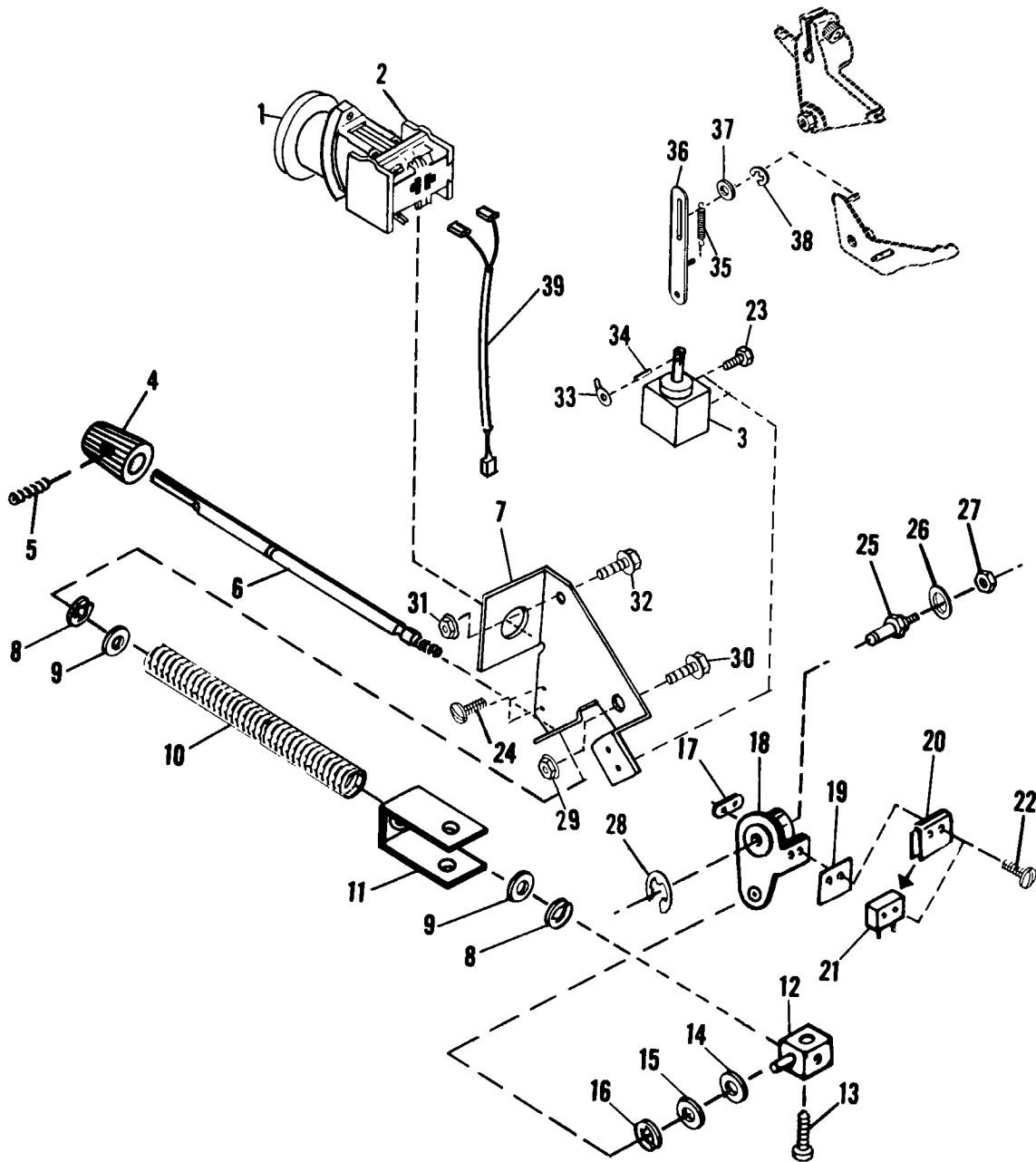


FIGURE 38 - MODEL 9865/9869
Emergency Stop and Doubles Switches

parts catalog...

Index No.	Part No.	MODEL 9865/9869 - Figure 38 Description	Units Per Assy.
0	***	SWITCH ASSEMBLY - Doubles Detector	1
1	253474	ACTUATOR - Pushbutton, Stop	1
2	253475	SWITCH - 2PST, Emergency Stop	1
3	253578	SOLENIOD - Master Latch, 115 VAC. 50/60 Hz.	1
4	016916	KNOB	1
5	001207	SCREW - Set, 8-32 X 3/16	1
6	016541	ROD - Detector Switch Adj.	1
7	025237	BRACKET - Mounting	1
8	001049	RING - Retaining, .227 I.D. X .027	2
9	005071	WASHER - .252 I.D. X .027	2
10	196423	SPRING - Compression, 25/64 O.D. X 5" O.A.L.	1
11	016741	BRACKET - Stop	1
12	011948	PIVOT - Detector Adj. Rod	1
13	001588	SCREW - 10-32 X 1/4	2
14	001772	WASHER - Friction, .376 I.D. X .750 O.D.	1
15	014727	WASHER - .375 I.D. X .750 O.D.	1
16	100740	RING - Retaining, .357 I.D. X .045	1
17	190483	NUT PLATE - 2-56	1
18	016739	BRACKET ASSEMBLY - Switch Mount	1
19	017159	INSULATOR - Switch Detector	1
20	192855	INSULATOR - Switch	1
21	253025	SWITCH - S.P.D.T., 1 Amp 125 VAC.	1
22	100490	SCREW - 2-56 X 1/2	2
23	111033	SCREW - 8-32 X 5/16	2
24	001586	SCREW - 8-32 X 5/16	2
25	196421	STUD - Switch Pivot, Chain Delivery	1
25	196420	STUD - Switch Pivot, Tray Delivery	1
26	061452	SPACER	1
27	154078	NUT - Lock, 1/4-28, Chain Delivery	1
27	078363	PIVOT - Cradle Arm, Tray Delivery	1
28	014511	RING - Retaining, .430 I.D. X .027	1
29	150089	NUT - 3/8-24	1
30	111098	SCREW - 3/8-24 X 3/4	1
31	150081	NUT - 8-32	1
32	111036	SCREW - 8-32 X 1/2	1
33	014515	RING - Plastic, .080 I.D. X .160 O.D. X .025	2
34	190713	PIN - Solenoid	1
35	064673	SPRING - Tension, .250 O.D. X 1.578 O.A.L. X .024	1
36	025127	LINK ASSEMBLY	1
37	021203	WASHER - .254 I.D.	1
38	001060	RING - Retaining, .208 I.D. X .027	1
39	022802	CABLE ASSEMBLY - Stop Switch, 18" (M-9870)	1
	***	Not Salable As An Assembly	

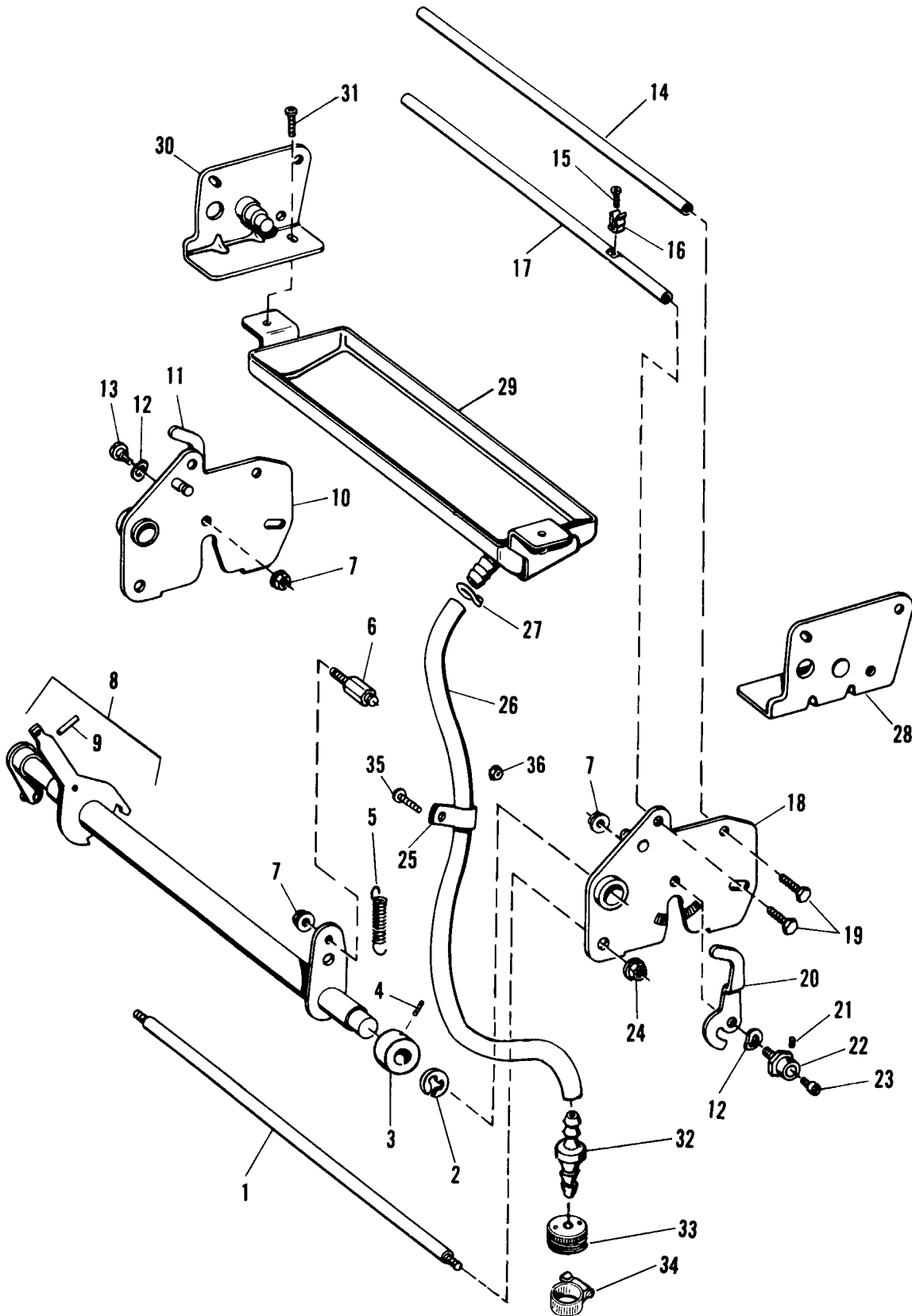


FIGURE 39 - MODEL 9865/9869
Blanket Washer - Part I

parts catalog

Index No.	Part No.	MODEL 9865/9869 - Figure 39 Description	Units Per Assy.
0	025019	BLANKET WASHER ASSEMBLY	1
1	007888	TIE BAR	1
2	001098	RING - Retaining, .339 I.D. X .687 O.D. X .037	2
3	011010	CAM - Cradle	2
4	014247	SCREW - Set, 10-32 X 1/4	2
5	194574	SPRING - 19/64 O.D. X 1-3/16 O.A.L.	1
6	193817	STUD	1
7	150085	NUT - 1/4-28	3
8	025116	SHAFT ASSEMBLY - Cam	1
9	140023	PIN - Taper, .110 O.D. X .625 O.A.L.	1
10	011025	SIDE FRAME - R.H.	1
11	074313	CLAMP - R.H.	1
12	193577	WASHER - Spring, .389 I.D. X .625 O.D. X .015	2
13	195013	SCREW - Shoulder	1
14	007892	TIE BAR	1
15	100704	SCREW - 4-40 X 3/16	1
16	080839	CLIP	1
17	007887	TIE BAR	1
18	011024	SIDE FRAME - L.H.	1
19	193701	SCREW - 1/4-28 X 1/2	4
20	074314	CLAMP - L.H.	1
21	001650	SCREW - Set, 10-32 X 3/16	1
22	195194	STUD	1
23	195193	STOP	1
24	150087	NUT - 5/16-24	2
25	250358	CLAMP - 1/2"	1
26	191176	TUBING - 3/8 I.D. X 33-1/8 O.A.L.	1
27	073487	CLAMP - Hose	1
28	011019	BRACKET ASSEMBLY - Mounting, N.O.S.	1
29	008221	TROUGH	1
30	025120	BRACKET ASSEMBLY - Mounting, O.S.	1
31	001586	SCREW - 8-32 X 5/16	2
32	101334	FITTING - Hose	1
33	091151	CAP	1
34	031748	CLAMP - Hose	1
35	100593	SCREW - 10-32 X 9/16	1
36	014808	NUT - 10-32	1

parts catalog...

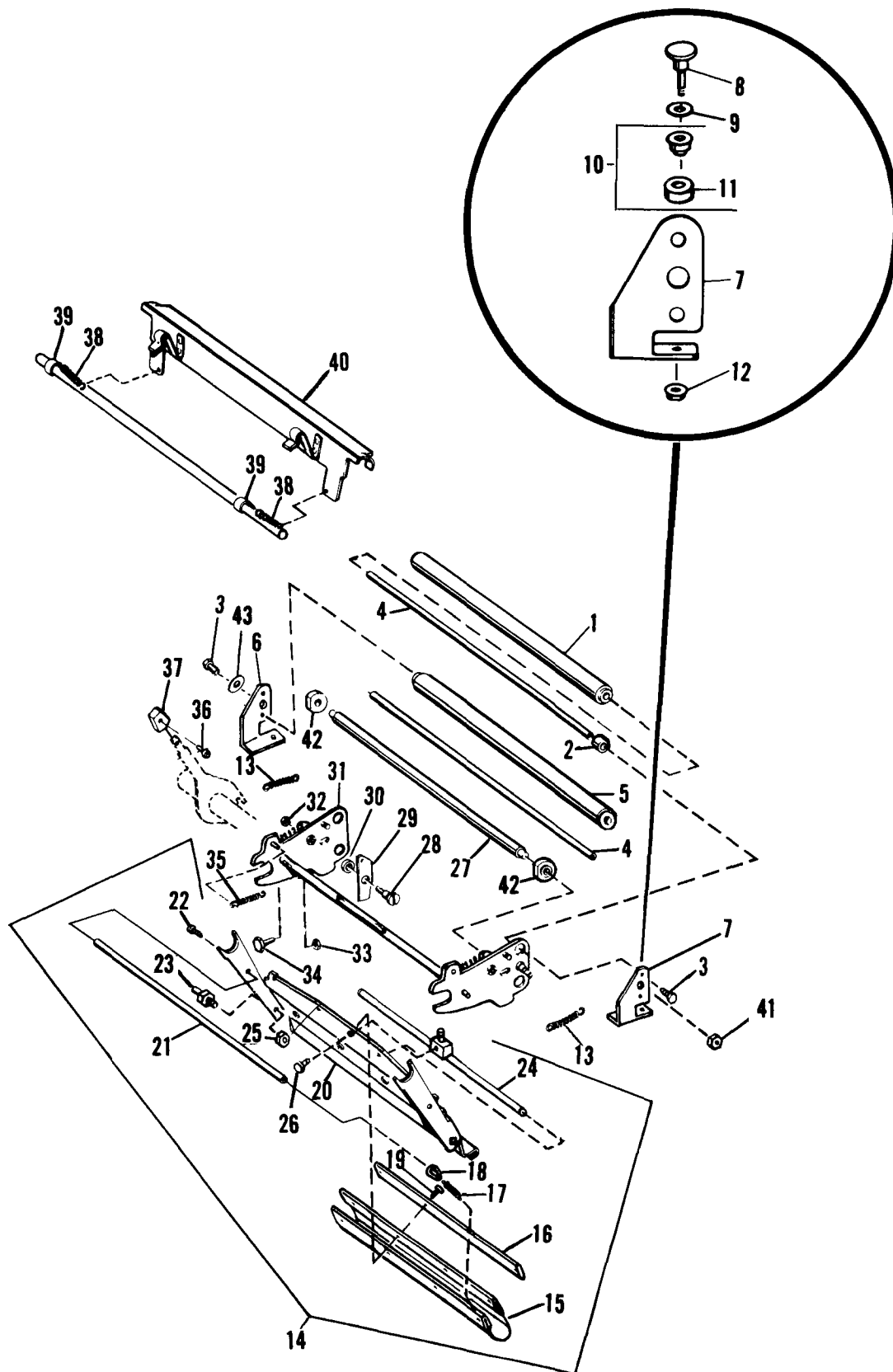


FIGURE 40 - MODEL 9865/9869
Blanket Washer - Part II

parts catalog...

Index No.	Part No.	MODEL 9865/9869 - Figure 40 Description	Units Per Assy.
0	025019	BLANKET WASHER ASSEMBLY	1
1	008227	ROLLER ASSEMBLY - Cleaning	1
2	192853	SPACER - Roller	2
3	193703	SCREW - 1/4-28 X 1/2	4
4	007889	SHAFT - Roller	2
5	008224	ROLLER ASSEMBLY - Scrubbing	1
6	011012	BRACKET - Roller, R.H.	1
7	011013	BRACKET - Roller, L.H.	1
8	195151	STUD	2
9	021203	WASHER - .254 I.D.	2
10	011011	ROLLER ASSEMBLY	2
11	195150	BUSHING	1
12	150083	NUT - 10-32	2
13	194894	SPRING - 5/16 O.D. X 1-15/32 O.A.L.	2
14	***	WIPER ASSEMBLY	1
15	007867	BLADE ASSEMBLY	1
16	007870	BRACKET	1
17	041291	SPRING - Tension, 11/32 O.D. X 31/32 O.A.L. X .039	4
18	062704	LINK	4
19	001552	SCREW - 8-32 X 5/16	4
20	008218	SHIELD	1
21	007866	TIE ROD	1
22	001575	SCREW - 10-32 X 5/16	2
23	195158	STUD	2
24	008220	NOZZLE ASSEMBLY	1
25	001825	NUT - 8-32	2
26	001586	SCREW - 8-32 X 5/16	1
27	007893	ROLLER - Metering	1
28	192873	SCREW - Shoulder	2
29	008009	LEVER - Metering Roller	4
30	191132	SPACER - .220 I.D. X 15/32 O.D. X .093	2
31	008222	CRADLE ASSEMBLY	1
32	001812	NUT - 10-32	2
33	001809	NUT - 1/4-28	2
34	012925	SCREW - Adjustment	2
35	040782	SPRING - Tension, .318 O.D. X 1-7/32 O.A.L. X .038	2
36	014276	SCREW - 8-32 X 1/2	1
37	011372	KNOB	1
38	016289	SPRING - Tension, .250 O.D. X .875 O.A.L. X .029	2
39	012947	ANCHOR - Spring	2
40	007875	SHIELD ASSEMBLY	1
41	001845	NUT - 3/8-24	2
42	012846	BEARING - Roller	2
43	190601	WASHER - Shim, .256 I.D. X .375 O.D. X .005	A/R
	***	Not Salable As AN Assembly	

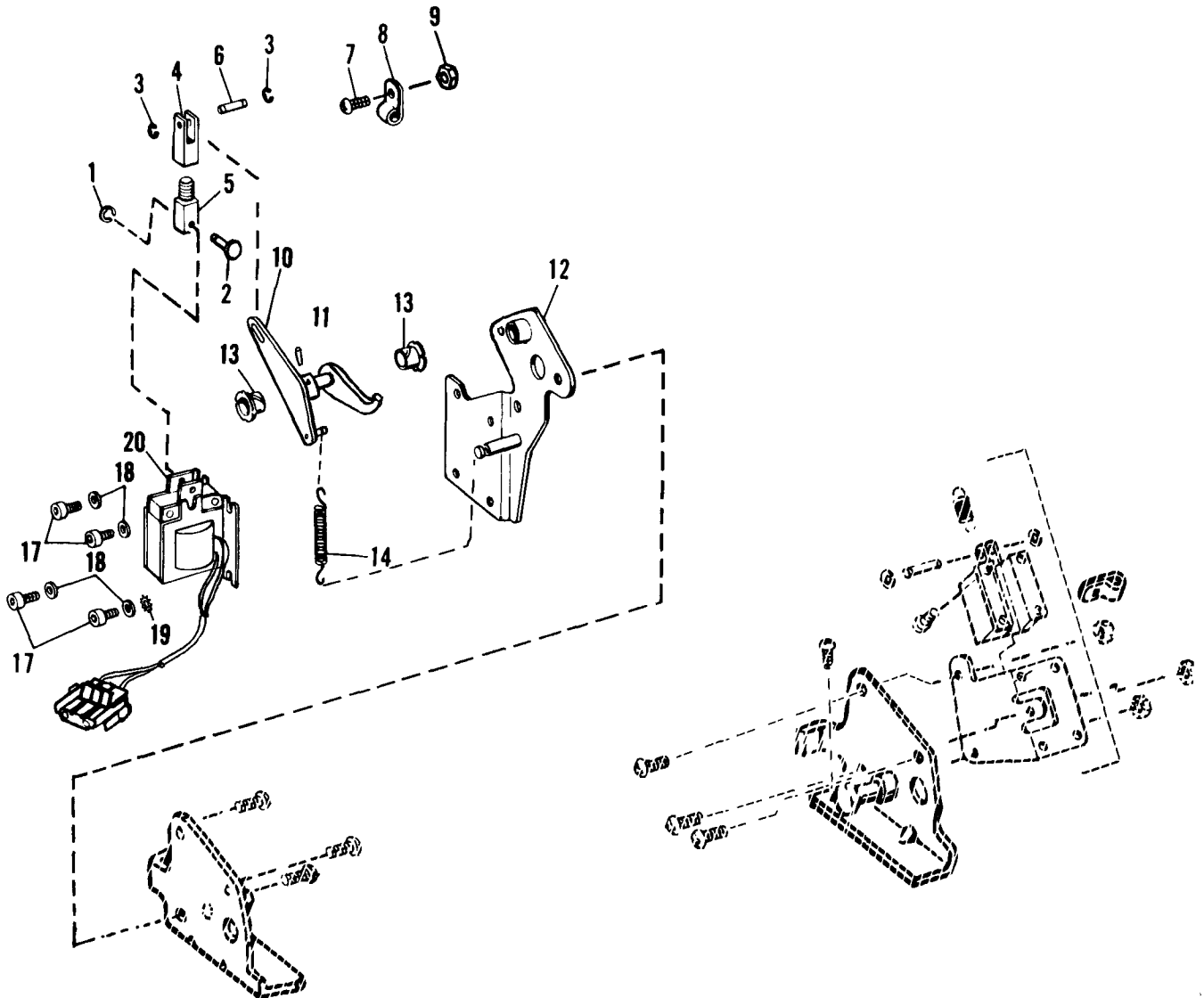


FIGURE 41 - MODEL 9865/9869
Blanket Washer Solenoid

parts catalog

Index No.	Part No.	MODEL 9865/9869 - Figure 41 Description	Units Per Assy.
1	181206	RING - Retaining External, .106 I.D. X .250 O.D. X .015 ...	1
2	192870	PIN - Solenoid	1
3	100442	RING - Retaining External, .100 I.D. X .070	2
4	084143	LINK - Solenoid	1
5	012848	LINK - Solenoid	1
6	191435	PIN - Solenoid Link	1
7	100134	SCREW - 8-32 X 1/2	1
8	250205	CLAMP - Cable, 3/16"	1
9	014811	NUT - 8-32	1
10	025108	LEVER - Blanket Cleaner Solenoid	1
11	014902	PIN - Taper, .125 O.D. X .750	1
12	025114	BRACKET	1
13	066763	BUSHING - Solenoid Lever	1
14	192222	SPRING - Tension, .421 O.D. X 1.671 O.A.L. X .031	1
17	014350	SCREW - 10-32 X 5/16	4
18	021861	WASHER - .196 I.D. X .437 O.D. X .047	4
19	001706	WASHER - Lock, #10	4
20	025344	SOLENOID - Blanket Cleaner, 115 VAC. 50/60 Hz.	1

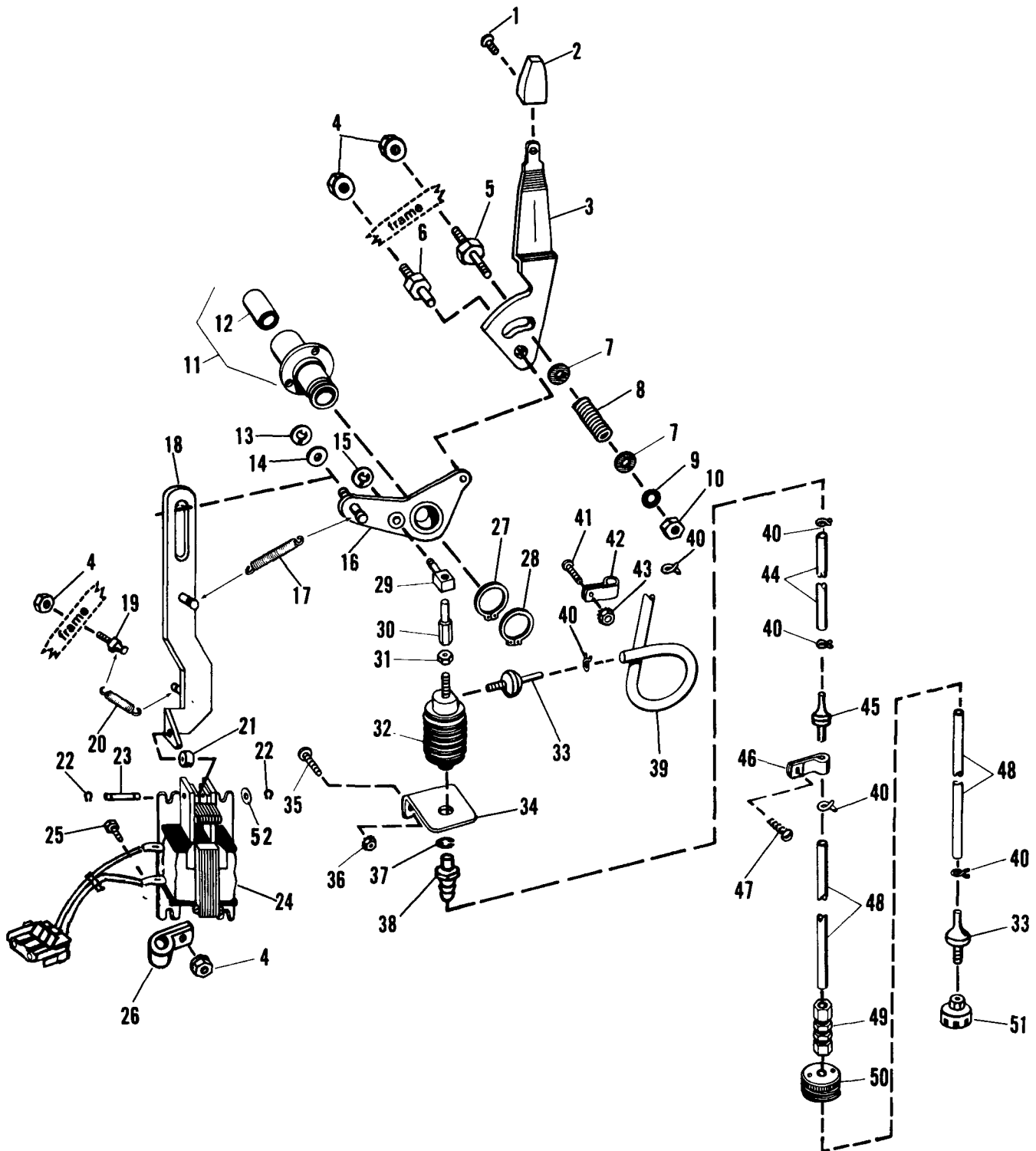


FIGURE 42 - MODEL 9865/9869
Blanket Washer Pump

parts catalog...

Index No.	Part No.	MODEL 9865/9869 - Figure 42 Description	Units Per Assy.
1	001552	SCREW - Knob	1
2	016921	KNOB	1
3	025122	LEVER - Adjusting	1
4	150083	NUT - 10-32.....	6
5	194528	STUD - Adjusting Lever	1
6	194530	STUD - Adjusting Lever	1
7	194531	WASHER - .266 I.D. X .625 O.D. X .062	2
8	064674	SPRING -Compression, .392 O.D. X .687 O.A.L. X .053	1
9	021150	WASHER - .254 I.D. X .625 O.D. X .029	1
10	154078	NUT - 1/4-28	1
11	076882	HOUSING ASSEMBLY	1
12	001473	BUSHING - .504 I.D. X .629 O.D. X .875	1
13	001060	RING - Retaining External, .208 I.D. X .027	1
14	021203	WASHER - .255 I.D. X .029	1
15	014504	RING - Retaining External, .144 I.D. X .025	1
16	013262	LEVER ASSEMBLY - Actuating	1
17	081321	SPRING - Tension, .375 O.D. X 2.000 O.A.L. X .051	1
18	013264	LINK ASSEMBLY - Solenoid	1
19	194525	ANCHOR - Spring	1
20	021781	SPRING - Tension, .203 O.D. X .906 O.A.L. X .018	1
21	193553	SPACER	1
22	014515	RING - Retaining, Plastic, .080 I.D. X .045	2
23	075074	PIN - Solenoid	1
24	025341	SOLENOID - 120 VAC. 50/60 Hz.	1
25	111055	SCREW - 10-32 X 1/2	3
26	079764	CLAMP - Cable, 3/16"	1
27	100110	RING - Retaining External, .474 I.D. X .053	1
28	001064	RING - Retaining External, .635 I.D. X .025	1
29	012927	ACTUATOR - Pump	1
30	192862	TUBE - Pump Input	1
31	150050	NUT - 1/4-28	1
32	012944	PUMP ASSEMBLY - Bellow	1
33	012359	VALVE - Check, Threaded, 10-32	2
34	012926	BRACKET - Pump Mounting	1
35	111071	SCREW - 1/4-28 X 1/2	2
36	014807	NUT - 1/4-28	2
37	001090	RING - Retaining External,Bowed, .460 I.D. X .035	1
38	101336	FITTING - Hose	1
39	192866	TUBE - Pump Exit, 5/32 I.D. X 22" O.A.L.	1
40	101234	CLAMP - Hose	6
41	111053	SCREW - 10-32 X 7/16	1
42	200049	CLAMP - Hose, 1/4"	2
43	014240	NUT - 10-32	1
44	192867	TUBE - Input Pump, 5/32 I.D. X 3-1/2" O.A.L.	1
45	012360	VALVE - Check	1
46	072862	CLAMP - Hose, 3/4"	1
47	001275	SCREW - 10-16 X 5/8	1
48	192868	TUBE - Supply, 5/32 I.D. X 26-5/8" O.A.L.	1
49	012945	FITTING - Tube	1
50	091151	CAP --(1 Gallon)	1
50	091045	CAP --(5 Liter)	1
51	012207	FILTER ASSEMBLY	1
52	001747	WASHER - .128 I.D. X .375 O.D.	2

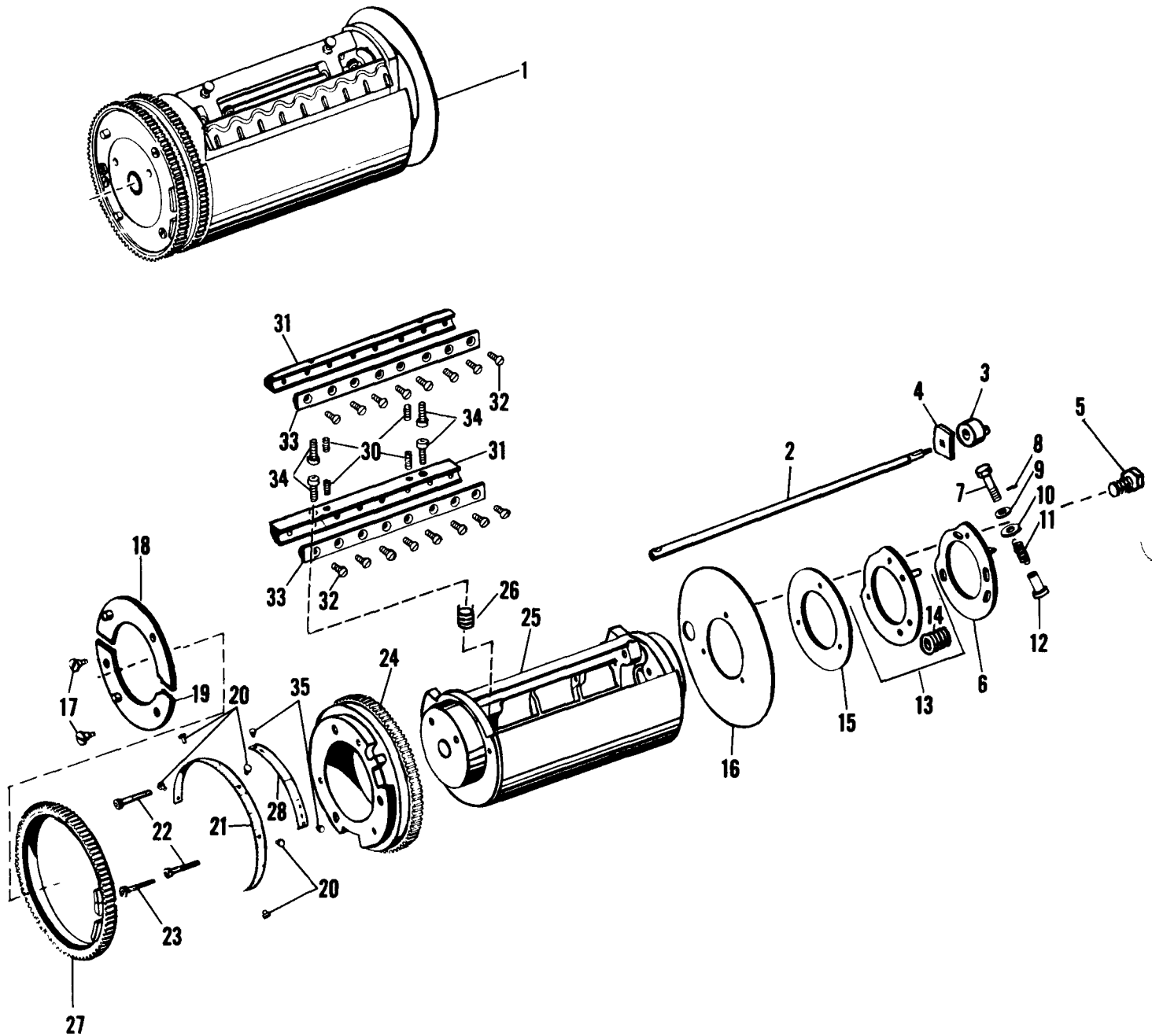


FIGURE 43 - MODEL 9865/9869
Blanket Cylinder - Part I

parts catalog...

Index No.	Part No.	MODEL 9865/9869 - Figure 43 Description	Units Per Assy.
1	***	CYLINDER ASSEMBLY - Blanket	1
2	018580	ROD - Clamp	1
3	018469	NUT - Clamp Rod, 1/4-28	1
4	003586	WASHER - 7/8 I.D. X 3/4 O.D. X 1/16	1
5	192054	SCREW - Blanket Cylinder, 1/4-28 (M-9865/69)	3
5	111073	SCREW - Shield, 1/4-28 x 5/8	3
6	012163	CAM - Master Forwarding (Adjustable)	1
7	195409	SCREW - Master Forwarding Cam	1
8	100738	PIN - Roll, .069 O.D. X .265	1
9	001052	WASHER - .203 I.D. X .500 O.D. X .059	1
10	012244	WASHER - Adjusting Screw	1
11	192058	SPRING - Compression, .415 O.D. X 1.062 O.A.L. X .070 ..	1
12	012242	GUIDE SPRING - Adjusting Screw, .250 O.D.	1
13	013436	CAM - Master Forwarding (Fixed)	1
14	101291	INSERT - 10-32 I.D. X .256 O.D. X .285 O.A.L.	1
15	012161	SPACER - Master Forwarding Cam	1
16	009553	SHIELD - Blanket Cylinder	1
16	011140	END PLATE - Blanket Cylinder, (M-9865/69)	1
17	020138	SCREW - Shoulder Dowel, 10-32	2
18	018575	RING ASSEMBLY - Blanket Cylinder, L.H.	1
19	018577	RING ASSEMBLY - Blanket Cylinder, R.H.	1
20	100508	SCREW - Drive, #00-3/16 O.A.L.	5
21	080719	SCALE - Vertical Print Adjustment	1
22	014157	SCREW - 1/4-28 X 1.250	2
23	078556	SCREW - 1/4-28 X 1.187	1
24	025073	GEAR - Blanket Cylinder, (M-9865/69)	1
24	009554	GEAR - Blanket Cylinder	1
25	009551	CYLINDER - Blanket	1
26	100392	INSERT - 1/4-28 I.D. X 3/8-16 O.D.	4
27	025074	GEAR - Vertical Print Adjust, (M-9865/69)	1
27	009548	GEAR - Vertical Print Adjust	1
28	078552	INDICATOR - Vertical Print Adjusting	1
29	018405	BLANKET BAR KIT	A/R
30	014313	SCREW - Set, 1/4-28 X 1.000	4
31	007767	CLAMP - Body	2
32	014151	SCREW - 10-32 X .500	20
33	007766	CLAMP - Blanket	2
34	190236	SCREW - Blanket Clamp, 1/4-28	4
35	014570	PIN - Drive Lock, 3/16 O.A.L.	2
	***	Not Salable As An Assembly BLANKET - Supply Item 4-4124 Hard M-9865/69 BLANKET - Supply Item 4-4125 Compressible M-9870	

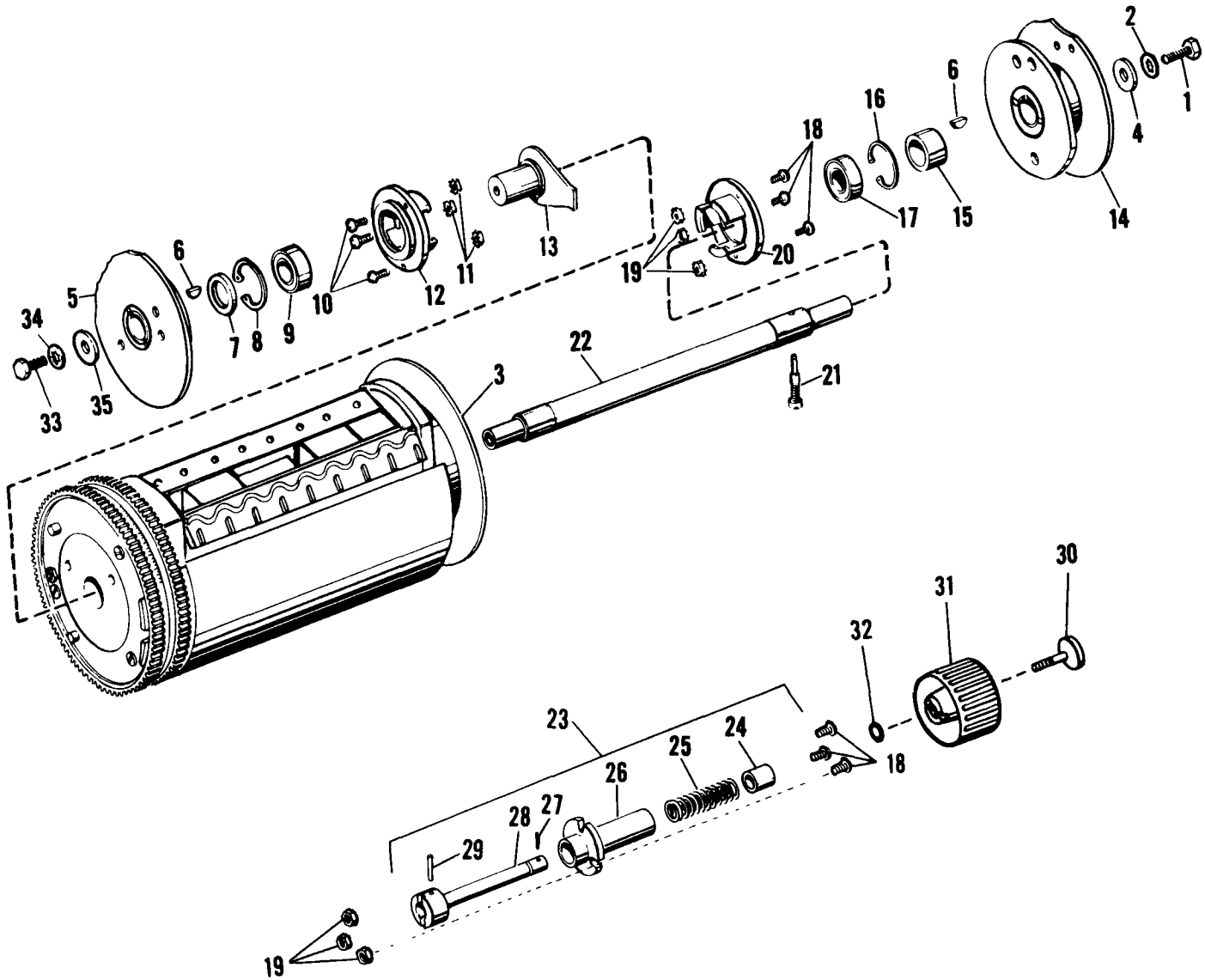


FIGURE 44 - MODEL 9865/9869
Blanket Cylinder - Part II

parts catalog...

Index No.	Part No.	MODEL 9865/9869 - Figure 44 Description	Units Per Assy.
1	014192	SCREW - 5/16-24 X 3/4	2
2	014721	WASHER - Lock, .326 I.D. X .600 O.D. X .030	2
3	***	CYLINDER ASSEMBLY - Blanket.....	1
4	014748	WASHER - .328 I.D. X 1.250 O.D. X.093	2
5	009667	CAM ASSEMBLY - Blanket Cylinder N.O.S.	1
6	078527	KEY - Woodruff, #505	2
4	078551	SPACER - 1.000 I.D. X 1.500 O.D. X .259	1
8	001066	RING - Retaining, Internal, 2.320 O.D. X .081	1
9	078520	BEARING - .984 I.D. X 2.047 O.D.	1
10	111057	SCREW - 10-32 X 3/4	3
11	150083	NUT - 10-32	3
12	012705	HOUSING - L.H., Bearing	1
13	082103	ARM ASSEMBLY - Blanket Cylinder	1
14	017840	CAM ASSEMBLY - Blanket Cylinder O.S.	1
15	078524	SPACER - 51/64 I.D. X 1.250 O.D. X .547	1
16	001065	RING - Retaining, Internal, 2.089 O.D. X .065	1
17	078714	BEARING - .787 I.D. X 1.850 O.D.	1
18	111055	SCREW - 10-32 X 9/16	6
19	150083	NUT - 10-32	6
20	082172	HOUSING - R. H., Bearing.....	1
21	080718	SCREW - Special, 3/8-24 X 1-7/16	1
22	007633	SHAFT - Blanket Cylinder	1
23	009558	PRINT ADJUSTING ASSEMBLY	1
24	078542	BUSHING - .380 I.D. X .562 O.D. X .750 O.A.L.	1
25	078541	SPRING - Compression, .510 O.D. X 1.156 O.A.L.	1
26	076856	HOUSING - Print Adjusting	1
27	014921	PIN - Roll, .135 O.D. X .890 O.A.L.	1
28	009559	ROD ASSEMBLY - Print Adjusting	1
29	001987	PIN - Roll, .167 O.D. X .890 O.A.L.	1
30	196248	SCREW - Special, 10-32 x 7/8	1
31	017739	KNOB - Print Adjusting	1
32	039642	RING - Vinyl, .135 X .075	1
33	100649	SCREW - Flat Head, 5/16-24 X 3/4	1
34	100647	WASHER - Tooth, 5/16 I.D.	1
35	191482	WASHER - Special	1
	***	Not Salable As An Assembly	

parts Catalog...

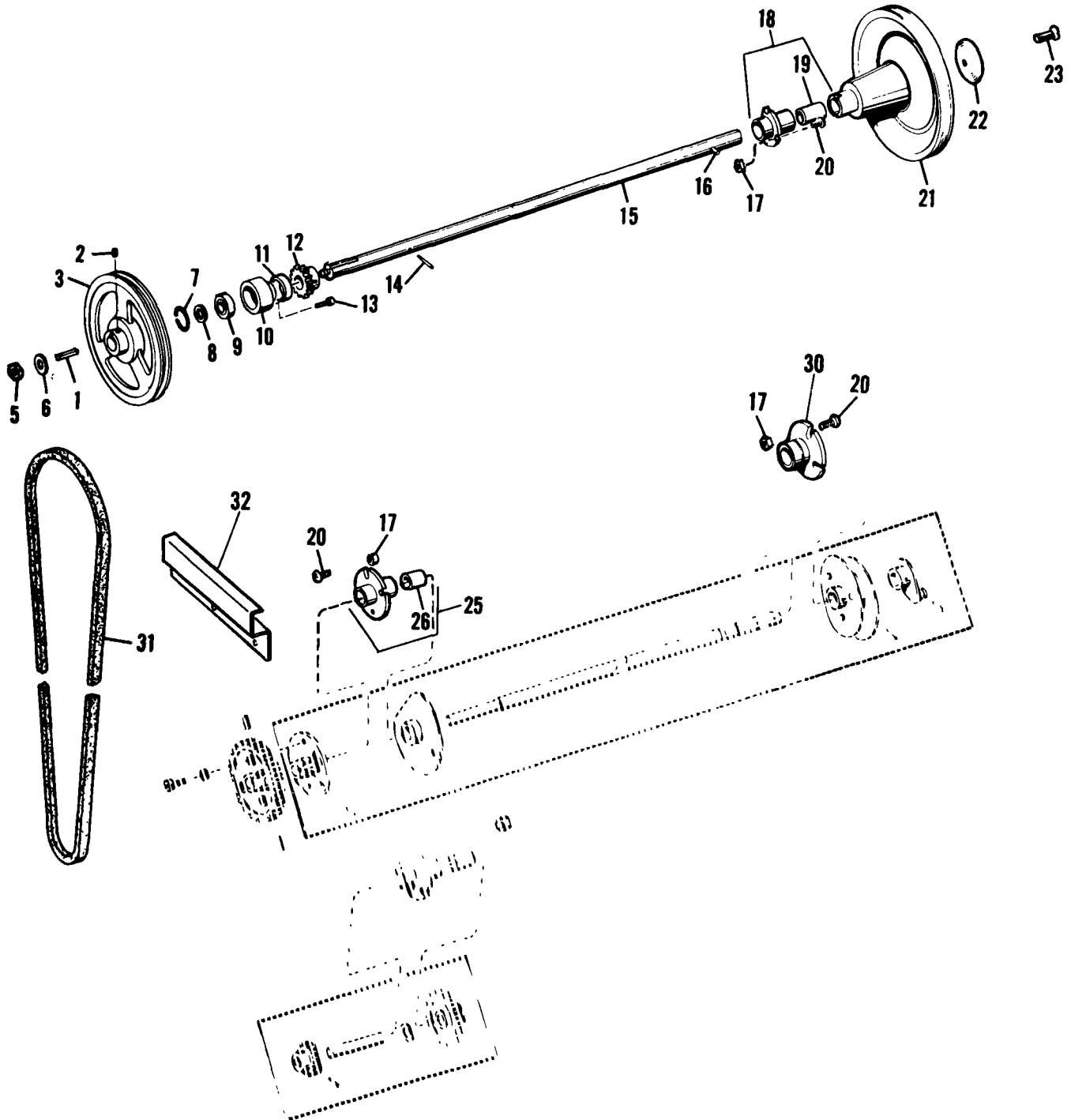


FIGURE 45 - MODEL 9865/9869
Drive Shaft Assembly

parts catalog

Index No.	Part No.	MODEL 9865/9869 - Figure 45 Description	Units Per Assy.
1	191963	KEY - Pulley, 3/16 Square X 1-3/8	1
2	001523	SCREW - Set, 5/16-18 X 3/8	1
3	083316	PULLEY	1
5	001847	NUT - Stop Elastic	1
6	100648	WASHER - Spring, .398 I.D. X 1.135 O.D. X .062	1
7	100646	RING - Retaining, 1.653 I.D. X 1.769 O.D. X .065	1
8	083317	WASHER - .645 I.D. X .812 O.D. X .029	1
9	190179	BEARING - Ball, .6256 I.D. X 1.574 O.D. X .472	1
10	080522	HOUSING - Bearing	1
11	191481	SPACER	1
12	080191	PINION - Gear	1
13	100185	SCREW - (Nylok), 10-32 X .428	3
14	014972	PIN - Roll, .182 X 15/16	1
15	025191	SHAFT	1
16	101333	PIN - Roll, .167 X 7/8	1
17	150083	NUT - 10-32	9
18	080247	HOUSING ASSEMBLY - Drive Shaft	1
19	014653	BUSHING - .628 I.D. X .722 O.D. X 1.250	1
20	111055	SCREW - 10-32 X 3/4	9
21	011396	HANDWHEEL	1
22	072655	DISC - Handwheel	1
23	014171	SCREW - 10-32 X 3/4	1
25	080376	HOUSING ASSEMBLY - Bearing	1
26	001416	BUSHING - .503 I.D. X .627 O.D. X 1.250	1
30	072181	BEARING - Cam Shaft	1
31	196633	BELT -V, 4L560	1
32	022837	COVER - Cable	1
		(M-9870)	

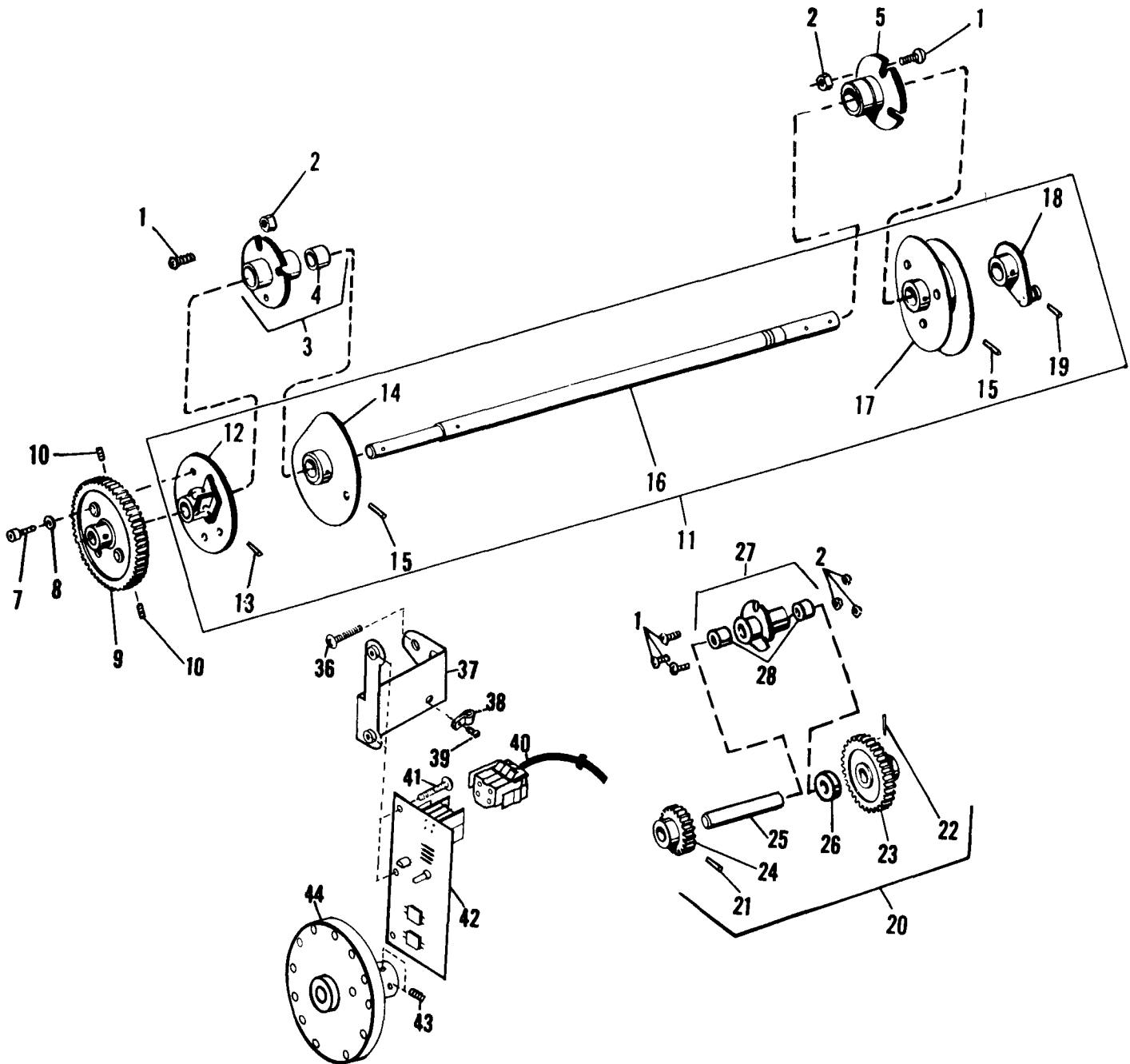


FIGURE 46 - MODEL 9865/9869
Cam Shaft Assembly

parts catalog...

Index No.	Part No.	MODEL 9865/9869 - Figure 46 Description	Units Per Assy.
1	111055	SCREW - 10-32 x 9/16	9
2	150083	NUT - 10-32	9
3	080376	HOUSING ASSEMBLY - 1/2" Diameter Shaft	1
4	001416	BUSHING - .504 I.D. x .627 O.D. x 1.000 O.A.L.	3
5	072181	HOUSING ASSEMBLY	1
7	111074	SCREW - 1/4-28 x 3/4	3
8	005620	WASHER - .254 I.D. x 5/8 O.D. x .059	3
9	080378	GEAR	1
10	014342	SCREW - 10-32 x 5/8	2
11	017487	SHAFT ASSEMBLY - Cam, Hall Effect TD	1
11	017485	SHAFT ASSEMBLY - Cam, Hall Effect CD	1
12	*080414	CAM	1
13	000022	PIN - Taper, .163 O.D. x .790 O.A.L.	1
14	*072787	CAM - TD	1
15	000023	PIN - Taper, .158 O.D. x .978 O.A.L.	2
16	*017484	SHAFT	1
17	*076084	CAM	1
18	*072605	CAM	1
19	000024	PIN - Taper, .154 O.D. x 1.094 O.A.L.	1
20	016380	GEAR SHAFT ASSEMBLY - CD	1
20	072336	GEAR SHAFT ASSEMBLY - TD	1
21	014902	PIN - Taper, .110 O.D. x .720 O.A.L.	2
22	001992	PIN - Roll, .135 O.D. x 1.015 O.A.L. TD (Old Design)	1
22	101333	PIN - Spiral, .136 O.D. x .947 O.A.L., CD (Old Design) ..	1
22	000012	PIN - Taper, .123 O.D. x .998 O.A.L.	2
23	*071625	GEAR - TD	1
23	*078445	GEAR - CD	1
24	*072338	GEAR	1
25	*072337	SHAFT	1
26	192273	SPACER - TD	1
27	072333	HOUSING ASSEMBLY	1
28	001404	BUSHING - .379 I.D. X .504 O.D. X .500 O.A.L.	2
36	001567	SCREW - 1/4-28 x 3/8	2
37	017478	BRACKET ASSEMBLY - Clock, Hall Effect	1
38	250205	CLAMP - Cable, 3/16	1
39	000895	SCREW - Thread Forming, 6-32 X 3/8	1
40	025303	HARNESS ASSEMBLY	1
41	001541	SCREW - 6-32 x 3/8	2
42	017742	P. C. BOARD ASSEMBLY - Clock/Sync., Hall Effect	1
43	014108	SCREW - Set, 10-32 x 3/8	2
44	017480	WHEEL ASSEMBLY - Hall Effect	1
	*	Not Procurable Separately	

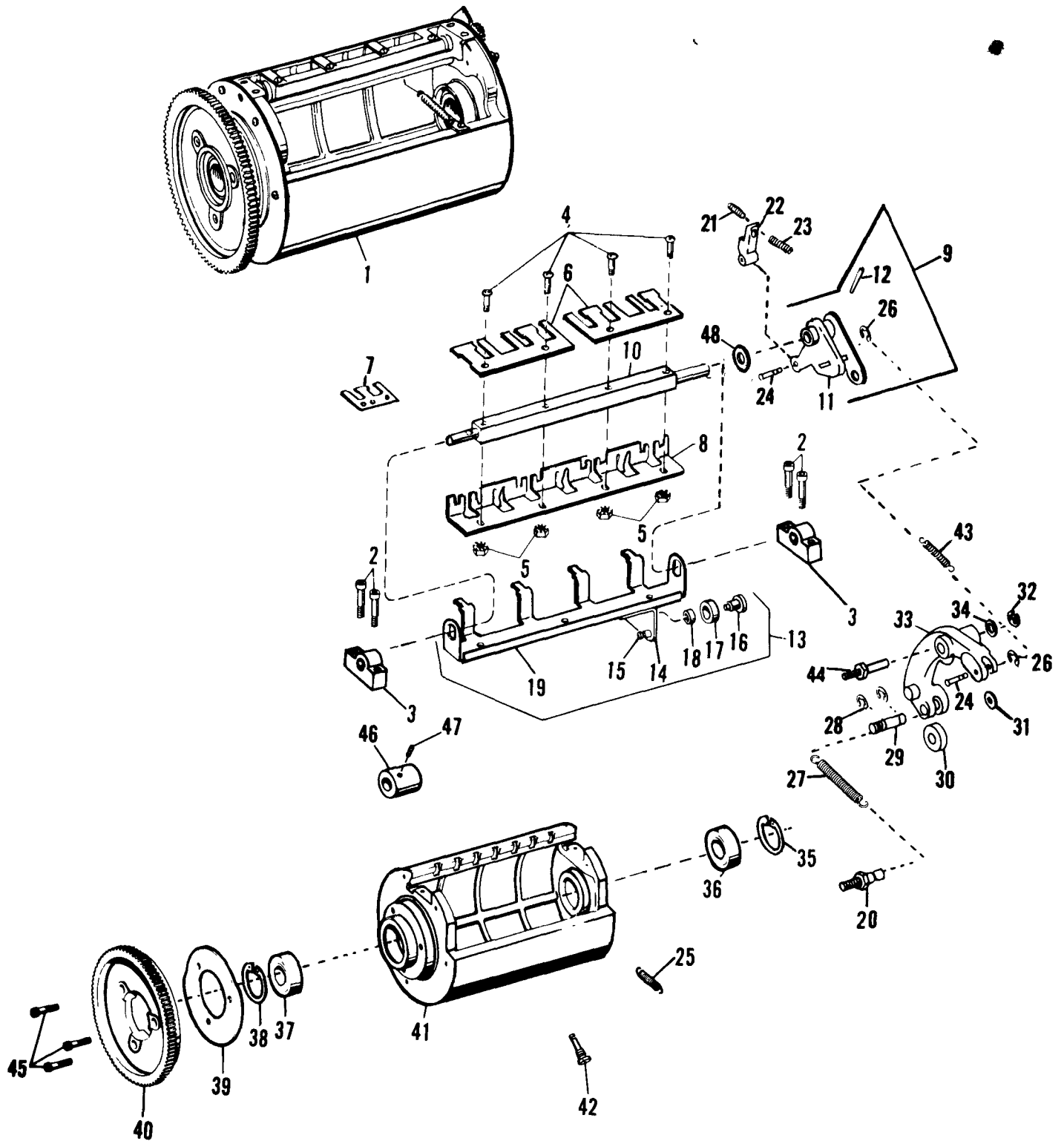


FIGURE 47 - MODEL 9865/9869
Impression Cylinder Assembly

parts catalog...

Index No.	Part No.	MODEL 9865/9869 - Figure 47 Description	Units Per Assy.
1	***009650	CYLINDER ASSEMBLY - Impression, CD	1
1	***009670	CYLINDER ASSEMBLY - Impression, TD	1
2	014165	SCREW - 1/4-28 x 1.000	4
3	007764	BEARING BLOCK - Gripper	2
4	014205	SCREW - 10-32 x 13/16	6
5	014808	NUT - 10-32	6
6	007731	FINGER - Gripper Impression Cylinder	2
7	007986	FINGER - Gripper Impression Cylinder	1
8	007984	PAPER STOP - Gripper Impression Cylinder	1
9	007613	GRIPPER SHAFT ASSEMBLY	1
10	*007614	GRIPPER SHAFT	1
11	*007664	LEVER ASSEMBLY	1
12	190111	PIN - Taper	1
13	007762	STRIPPER FINGER ASSEMBLY - Tray Delivery	1
14	*078729	ARM - Truck	1
15	*070226	STUD - Spring	1
16	*072441	RIVET	1
17	072367	TRUCK	1
18	072366	BUSHING	1
19	*007763	FINGER - Stripper	1
20	191360	STUD - Spring	1
21	100130	SCREW - Set, 10-32 x 1.000	1
22	081104	ARM - Overload	1
23	190135	SPRING - Compression, .350 O.D. x 1.000 O.A.L. x .045 ...	1
24	194804	PIN - Special	2
25	078744	SPRING - Tension, .406 O.D. x 1.937 O.A.L. x .049	1
26	014504	RING - Retaining, .146 I.D. x .338 O.D. x .027	2
27	191401	SPRING - Tension, 13/32 O.D. x 1-5/16 O.A.L. x .036	1
28	001095	RING - Retaining, .250 I.D. x 1/2 O.D. x .027	1
29	082131	PIN - Special	1
30	081106	TRUCK - Special	1
31	190107	TRUCK - .190 I.D. x 1/2 O.D. x .240	1
32	001075	RING - Retaining, .397 I.D. x .037	1
33	082135	ARM - Operating	1
34	190149	WASHER - .440 I.D. x 11/16 O.D. x .029	1
35	014516	RING - Retaining, 2-7/16 O.D. x .081	1
36	080814	BEARING - Ball, 1.1811 I.D. x 2.440 O.D. x .6299	1
37	078520	BEARING - Ball, .9843 I.D. x 2.0472 O.D. x .5906	1
38	001066	RING - Retaining, 2.250 O.D. x .081	1
39	078712	CAM	1
40	009652	GEAR - Impression Cylinder	1
41	009651	CYLINDER - Impression, CD	1
41	009671	CYLINDER - Impression, TD	1
42	076100	SPRING ANCHOR - Tray Delivery	1
43	193982	SPRING - Tension, .312 O.D. x .781 O.A.L. x .031 - TD ...	1
44	196669	STUD - Tray Delivery	1
44	191361	STUD - Chain Delivery	1
45	014157	SCREW - 1/4-28 x 1-1/4	3
46	082128	COLLAR - 1-11/16 O.D. x 1.183 I.D. x 2-5/32 O.A.L.	1
47	014206	SCREW - Set, 1/4-28 x 3/8	2
48	193383	SHIM - .443 I.D. x .625 O.D. x .005 (M-9870)	A/R
48	196318	SHIM - .443 I.D. x .625 O.D. x .003 (M-9870)	A/R
	*	Not Procurable Separately	
	***	Not Available As An Assembly	

parts catalog...

Index No.	Part No.	MODEL 9865/9869 - Figure 48 Description	Units Per Assy.
1	080496	STUD - Support Arm	2
2	001845	NUT - 3/8-24	2
3	080495	WASHER - Lock, 25/64 I.D. x 1-1/4 O.D. x .119	2
4	014121	SCREW - 3/8-24 x 1.000	2
5	150089	NUT - 3/8-24	2
6	014172	SCREW - 1/4-28 x 3/4	2
7	001821	NUT - 1/4-28	2
8	080621	GUIDE - Support Arm Spring	2
9	078728	SPRING - Compression	2
10	014173	SCREW - 5/16-18 x 1-1/4	2
11	080447	PIN - Separator	2
12	001840	NUT - 5/16-18	2
13	080486	BLOCK ASSEMBLY - Support Arm, Impression Cylinder	2
14	001981	PIN - Roll, .199 O.D. x .827 O.A.L.	2
15	080498	SUPPORT ARM - Impression Cylinder	2
16	016158	SCREW - Shoulder, 10-32 x .273	1
17	001649	SCREW - 10-32 x .500	2
18	007729	CAM ASSEMBLY - Gripper, TD	1
18	082129	CAM ASSEMBLY - Gripper, CD	1
19	100296	SCREW - Set, 1/4-28 x .500 Sq. Hd.	2
20	081037	CAM ASSEMBLY - Stripper, TD	1
21	007609	SHAFT - Impression Cylinder	1
22	014517	RING - Retaining, 1.039 I.D. x .052	1

parts Catalog...

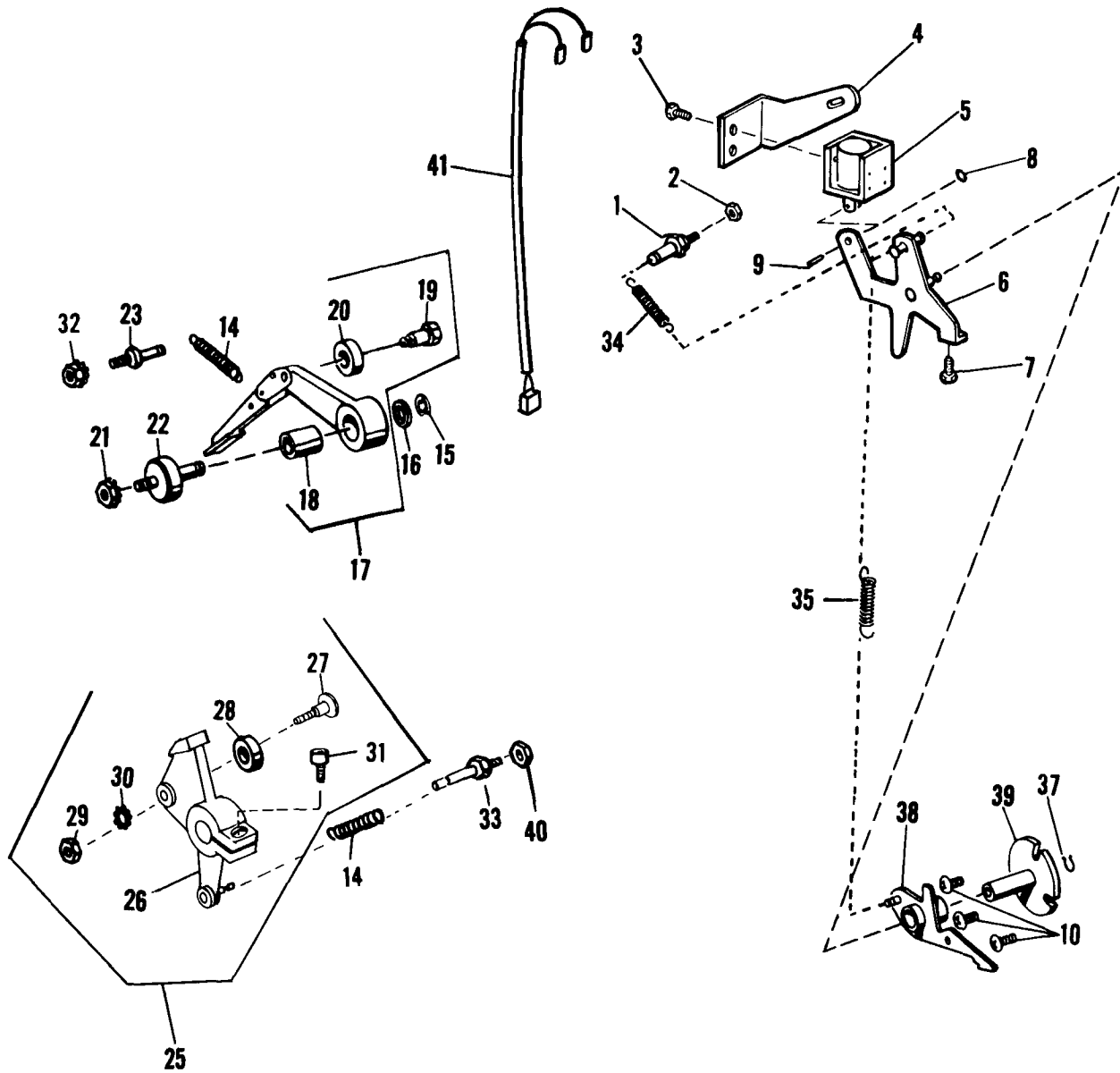


FIGURE 49 - MODEL 9865/9869
Impression Latch and Feed Solenoid

parts catalog...

Index No.	Part No.	MODEL 9865/9869 - Figure 49 Description	Units Per Assy.
1	196236	STUD - Spring Anchor	1
2	150083	NUT - 10-32	1
3	111033	SCREW - 8-32 x 5/16	2
4	009665	BRACKET - Mounting	1
5	253375	SOLENOID - 115 VAC. 50/60 Hz.	1
6	009662	LEVER ASSEMBLY - Imp. Cyl. Latch	1
7	014174	SCREW - 10-32 x 5/8	1
8	014515	RING - Vinyl, .080 I.D. x .160	2
9	190713	PIN - Solenoid Link	1
10	111054	SCREW - 10-32 x 1/2	3
14	072442	SPRING - Tension, .343 O.D. x 2.000 O.A.L.	2
15	001080	RING - Retaining, .302 I.D. x .660 O.D. x .037	1
16	014727	WASHER - .385 I.D. x .760 O.D. x .032	1
17	072362	POWER LEVER ASSEMBLY - Impression Cylinder	1
18	001446	BUSHING - .503 O.D. x .379 I.D. x .875 O.A.L.	1
19	192323	SCREW - Eccentric, 1/4-28 x 1/4	1
20	072367	TRUCK	1
21	150085	NUT - 1/4-28	2
22	196237	STUD - Power Lever	1
23	072413	SPRING ANCHOR - Power Lever	1
25	072354	LEVER ASSEMBLY - Impression Cyl. Separator	1
26	071561	LEVER - Impression Cyl. Separator	1
27	072357	PIN - Eccentric	1
28	072358	TRUCK - Impression Cyl. Separator Lever	1
29	001818	NUT - 1/4-28	1
30	001740	WASHER - Lock, .267 I.D. x .506 O.D. x .030	1
31	100891	SCREW - 1/4-20 x 1.000	1
32	014808	NUT - 10-32	1
33	196235	STUD - Spring, 1-13/16 O.A.L.	1
34	064673	SPRING - Tension, .375 O.D. x 1.375 O.A.L.	1
35	041774	SPRING - Tension, .250 O.D. x .781 O.A.L.	1
37	001046	RING - Retaining, .283 I.D. x .027	2
38	009664	LEVER ASSEMBLY - Impression Cyl. Latch Lever	1
39	072378	BEARING - Impression Cyl. Latch Lever	1
40	014248	NUT - 10-32	1
41	022833	CABLE ASSEMBLY - Impression Sol. 36" (M-9870)	1

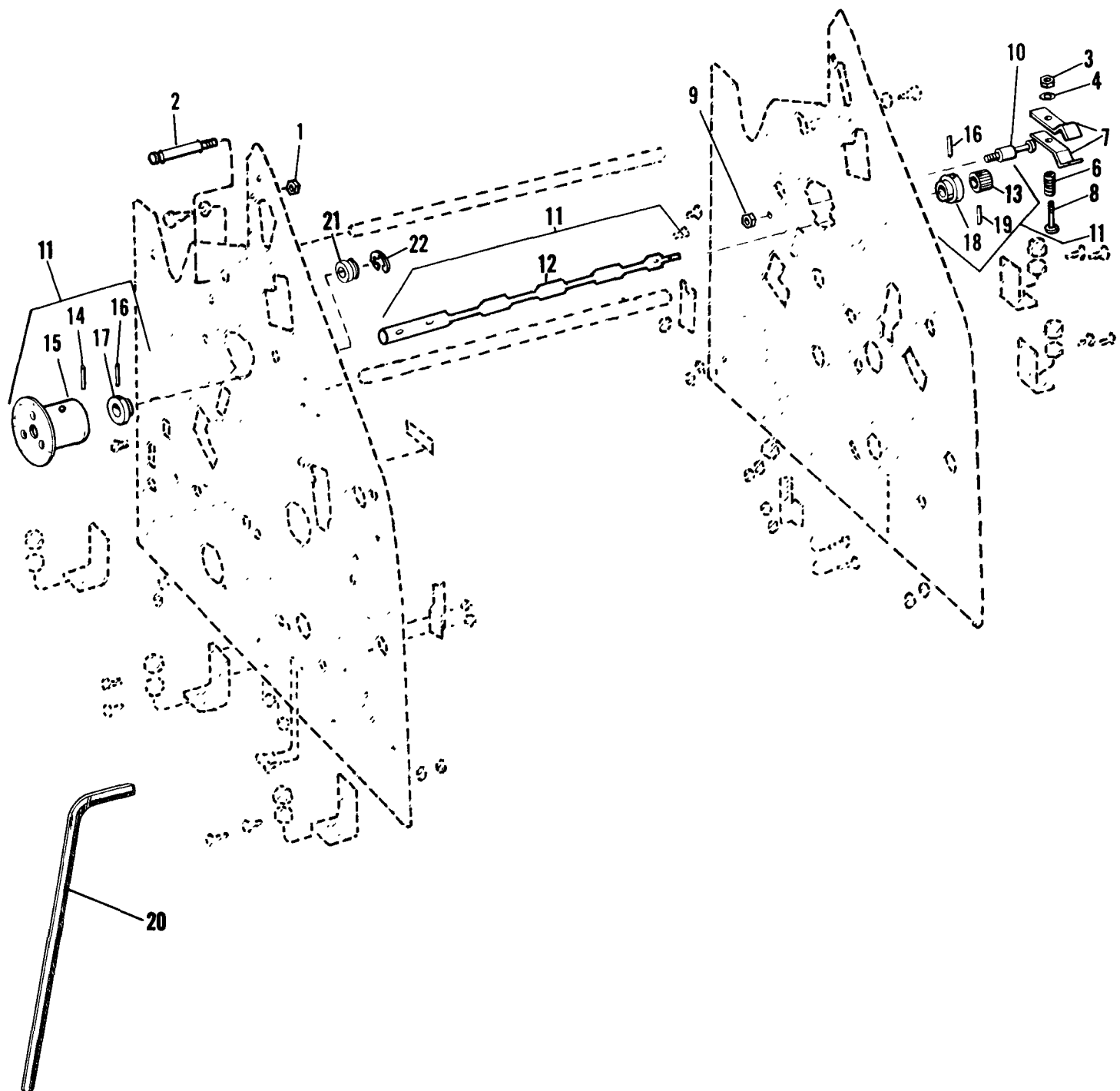


FIGURE 50 - MODEL 9865/9869
Impression Cylinder Gap Control

parts catalog...

Index No.	Part No.	MODEL 9865/9869 - Figure 50 Description	Units Per Assy.
1	014808	NUT - 10-32	1
2	190768	STUD - 10-32	1
3	101051	NUT - 10-32	1
4	001702	WASHER - .195 I.D. x .500 O.D. x .029	1
6	077836	SPRING - Compression, .400 O.D. x .718 O.A.L.	1
7	080452	CLAMP - W/Teeth	2
8	077301	SCREW - Shoulder, 10-32	1
9	150085	NUT - 1/4-28	1
10	193323	STUD - 1/4-28	1
11	017815	SHAFT ASSEMBLY - Gap Control	1
12	*017816	SHAFT - Gap Control	1
13	073551	DRAG - Gap Clamp	1
14	141573	PIN - Roll, .199 O.D. x .890 O.A.L.	1
15	*072169	DIAL	1
16	001992	PIN - Roll, .135 O.D. x 1.015 O.A.L.	2
17	080448	CAM - R.H.	1
18	080449	CAM - L.H.	1
19	001980	PIN - Roll, .135 O.D. x .640 O.A.L.	1
20	195421	Allen Key For Adjusting Gap Control	1
21	195142	PULLEY - Nylon	1
22	100110	RING - Retaining, .474 I.D. X .768 O.D. X .053	1
	*	Not Procurable Separately	

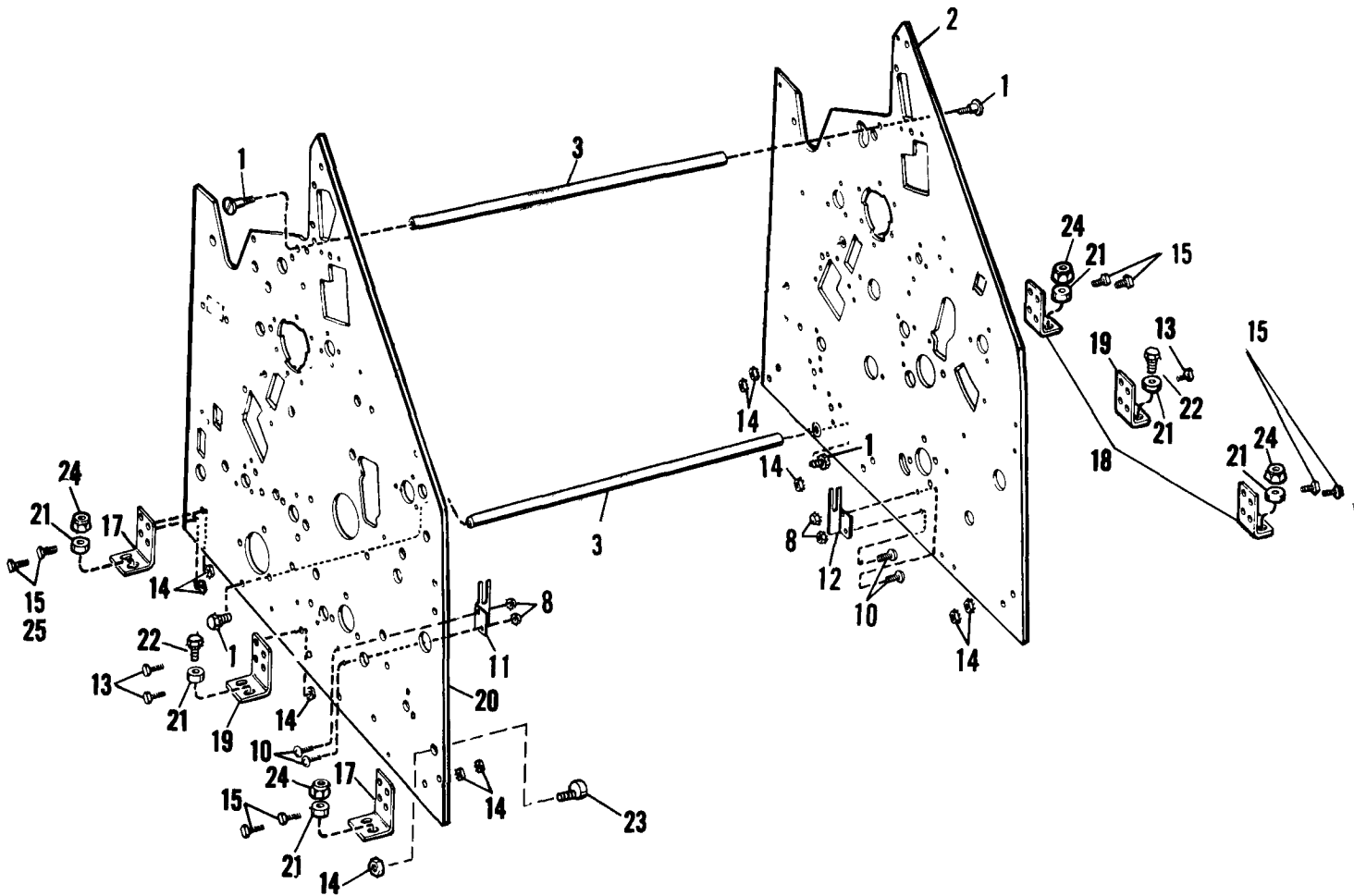


FIGURE 51 - MODEL 9865/9869
Mid Section Side Frames

parts catalog...

Index No.	Part No.	MODEL 9865/9869 - Figure 51 Description	Units Per Assy.
1	193601	SCREW - Shoulder, 5/16-24	4
2	016210	FRAME - Machine, N.O.S. (M-9865/69)	1
2	016205	FRAME - Machine, N.O.S. (M-9870)	1
3	007575	TIE BAR - CD,	2
8	150081	NUT - 8-32	4
10	111036	SCREW - 8-32 x 1/2	4
11	072055	GUARD - R.H.	1
12	072056	GUARD - L.H.	1
13	111073	SCREW - 1/4-28 x 5/8	3
14	150085	NUT - 1/4-28	12
15	195296	SCREW - 1/4-28 x 3/4, Tray Delivery	8
17	011055	BRACKET - Foot, O.S.	2
18	011056	BRACKET - Foot, N.O.S.	2
19	011229	BRACKET - Foot, Center	2
20	016211	FRAME - Machine, O.S. (M-9865/69)	1
20	016204	FRAME - Machine, O.S. (M-9870)	1
21	193808	SPACER - .343 I.D. x 9/16 x .125	6
22	111089	SCREW - 5/16-24 x 5/8	2
23	190116	STOP - Height Regulator	1
24	001824	NUT - Lock, 5/16-18	4
25	196393	SCREW - Dowel, 1/4-28 x 5/8 - Chain Delivery	4

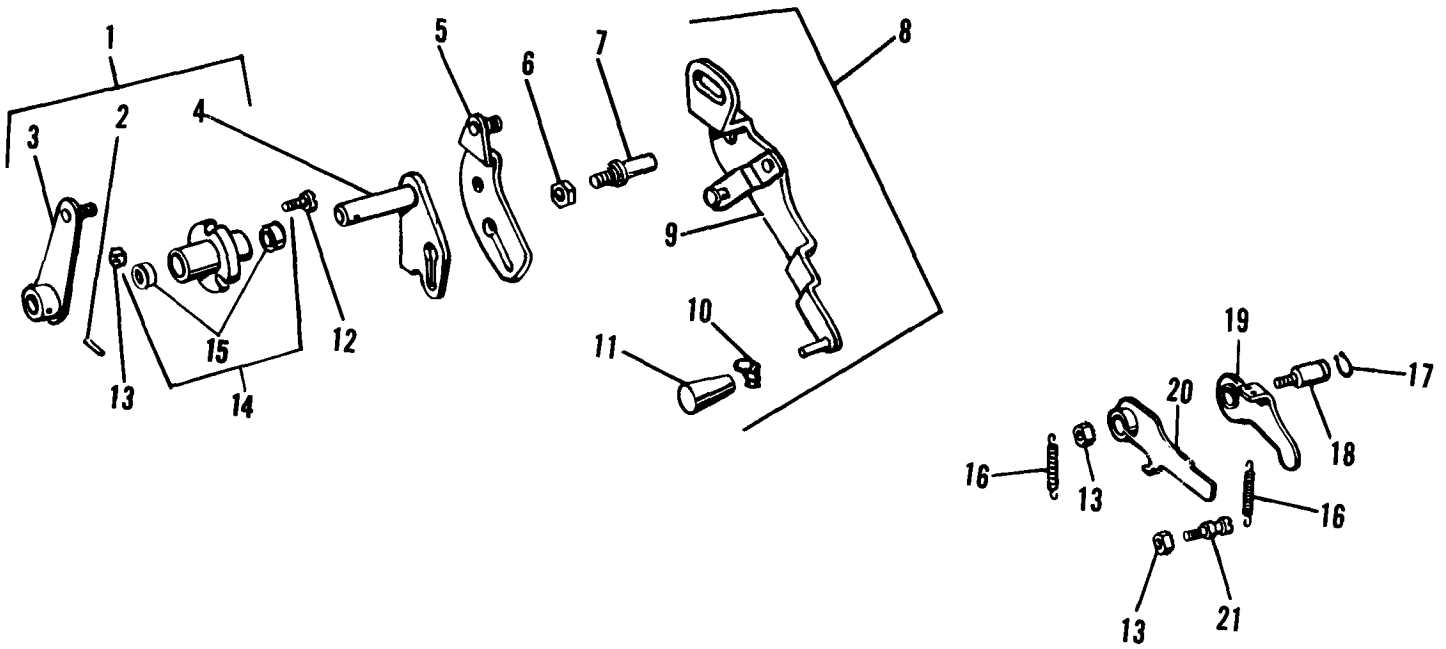


FIGURE 52 - MODEL 9865/9869
Paper Height Adjustment

parts catalog...

Index No.	Part No.	MODEL 9865/9869 - Figure 52 Description	Units Per Assy.
1	080396	LEVER ASSEMBLY - Table Raising	1
2	014921	PIN - Roll, .135 O.D. x .890 O.A.L.	1
3	*080400	LEVER	1
4	*080397	LEVER	1
5	080404	LEVER - Adjusting	1
6	150085	NUT - 1/4-28	1
7	080409	PIVOT PIN	1
8	011405	LEVER ASSEMBLY - Dwell Control	1
9	081152	LEVER	1
10	072052	SPRING LOCK	1
11	011371	HANDLE	1
12	015034	SCREW - 10-32 x 1/2	3
13	150083	NUT - 10-32	5
14	080402	BEARING ASSEMBLY - Table Raising Lever	1
15	001412	BUSHING - .441 I.D. x .565 O.D. x .375 O.A.L.	2
16	072511	SPRING - Tension, .250 O.D. x 1.125 O.A.L.	2
17	001047	RING - Retaining, .340 I.D. x .033	1
18	072481	STUD - 10-32	1
19	072478	LEVER ASSEMBLY - Contact	1
20	080032	LEVER ASSEMBLY - Lower Latch	1
21	072482	SPRING ANCHOR - Contact Lever Spring	1
	*	Not Procurable Separately	

parts catalog...

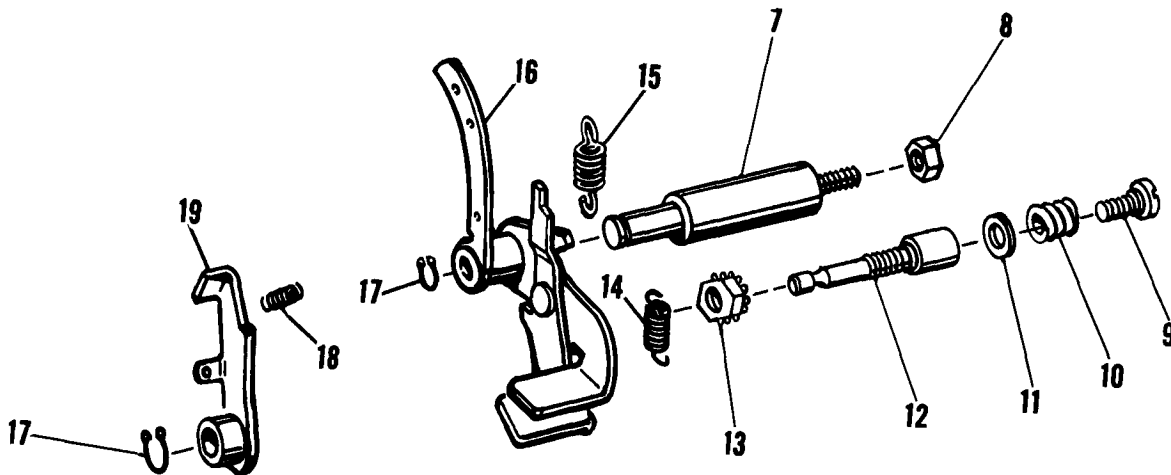
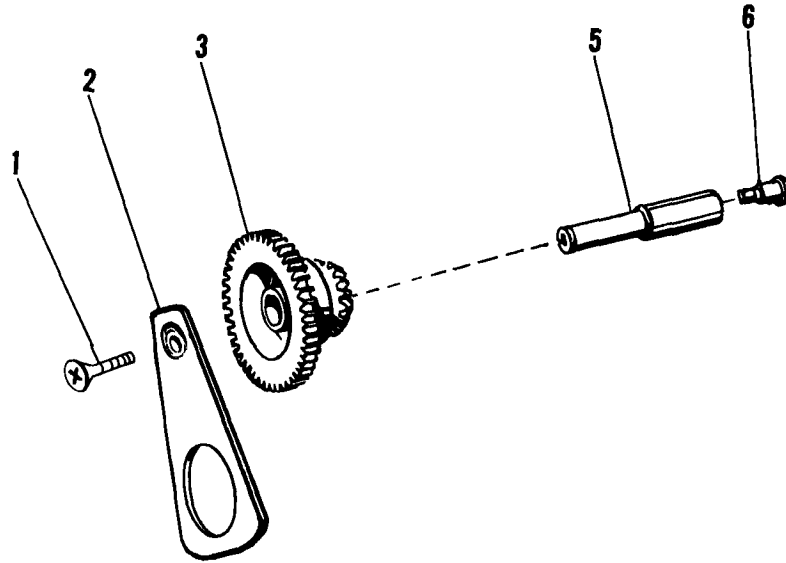


FIGURE 53 - MODEL 9865/9869
Feed Table Release Lever

parts catalog...

Index No.	Part No.	MODEL 9865/9869 - Figure 53 Description	Units Per Assy.
1	001542	SCREW - 10-32 x 7/16	1
2	080184	PLATE	1
3	072561	MITER AND SPUR GEAR	1
5	007937	STUD - Miter and Spur Gear	1
6	194805	SCREW - Shoulder, 3/8-24	1
7	072610	STUD - Table Release Lever, 3/8-24	1
8	150089	NUT - 3/8-24	1
9	080408	SCREW - 5/16-24	1
10	080410	SPRING - Compression, .728 O.D. x 1.062 O.A.L.	1
11	001797	WASHER - .515 I.D. x .812 O.D. x .059	1
12	080407	STUD - Table Release Lever Spring	1
13	014810	NUT - 3/8-24	1
14	072626	SPRING - Tension, .300 O.D. x .937 O.A.L.	1
15	041291	SPRING - Tension, .343 O.D. x .968 O.A.L.	1
16	013827	TABLE RELEASE LEVER ASSEMBLY	1
17	001047	RING - Retaining, .340 I.D. x .027	2
18	041777	SPRING - Compression, .312 O.D. x 1.344 O.A.L.	1
19	072484	UPPER LATCH LEVER	1

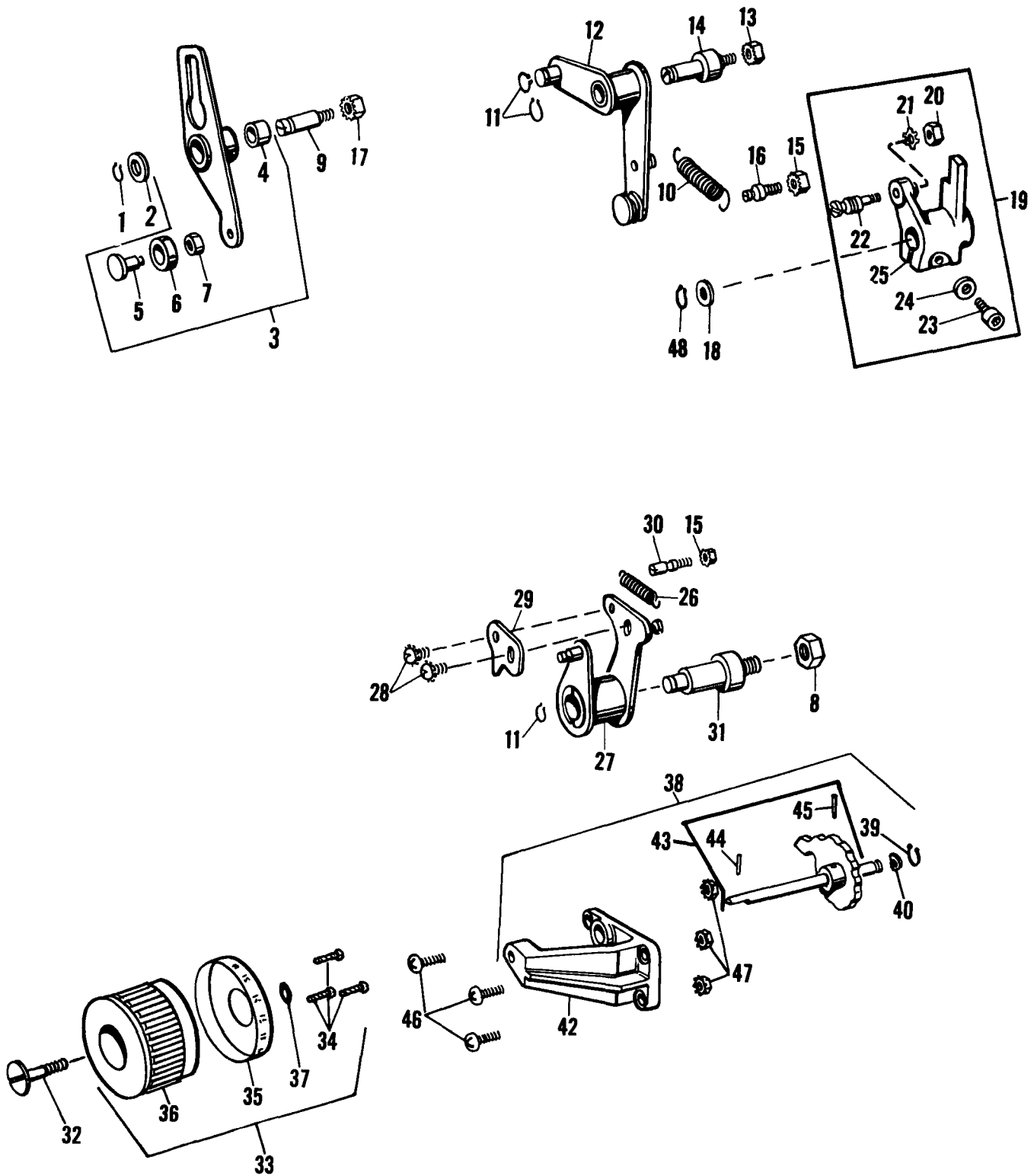


FIGURE 54 - MODEL 9865/9869
Buckle Adjusting and Lever Assemblies

parts catalog...

Index No.	Part No.	MODEL 9865/9869 - Figure 54 Description	Units Per Assy.
1	001075	RING - Retaining, .397 I.D. x .027	1
2	190149	WASHER - .441 I.D. x .687 O.D. x .029	1
3	007743	LEVER ASSEMBLY - Forwarding	1
4	001493	BUSHING	1
5	*072790	RIVET	1
6	072176	TRUCK	1
7	072175	BUSHING	1
8	150089	NUT - 3/8-24	1
9	190110	STUD - Forwarding Lever Assembly	1
10	078744	SPRING - Tension, .406 O.D. x 1.937 O.A.L.	1
11	001047	RING - Retaining, .340 I.D. x .027	3
12	072199	HUB ASSEMBLY - Buckle Adjustment	1
13	150085	NUT - 1/4-28	1
14	072201	STUD - Buckle Adjustment Hub	1
15	014808	NUT - 10-32	2
16	072186	SPRING ANCHOR - Buckle Adjustment Hub Spring	1
17	001847	NUT - 3/8-24	1
18	016574	WASHER - .315 I.D. x .687 O.D. x .047 (M-9870)	1
19	072382	LEVER ASSEMBLY - Counter Operating (M-9870)	1
20	014844	NUT - 8-32	1
21	001722	WASHER - Lock, .172 I.D. x .375 O.D. x .020	1
22	072427	PIN - Eccentric	1
23	014219	SCREW - 1/4-20 x 3/4	1
24	005071	WASHER - .253 I.D. x .500 O.D. x .059	1
25	072383	LEVER - Counter Operating, (M-9865/69)	1
26	073333	SPRING - Tension, .296 O.D. x 1.187 O.A.L.	1
27	072488	LEVER ASSEMBLY - Double	1
28	001691	SCREW - 10-32 x 1/4	2
29	072491	PLATE - Contacting Regulator	1
30	072482	SPRING ANCHOR - Double Lever Spring	1
31	080153	STUD - Double Lever	1
32	196247	SCREW - Special, 10-32 x 1-1/8	1
33	***017806	KNOB ASSEMBLY - Buckle Adjusting	1
34	014529	SCREW - Drive, #2 x 1/4	3
35	017750	DIAL - Buckle Adjusting Knob	1
36	017738	KNOB - Buckle Adjusting	1
37	039642	RING - Vinyl, .155 I.D. x .075	1
38	076605	CAM SHAFT AND HOUSING ASSEMBLY	1
39	001046	RING - Retaining, .283 I.D. x .027	1
40	195645	WASHER - Spring, .324 I.D. x .510 O.D. x .085	1
42	072207	HOUSING ASSEMBLY - Cam	1
43	072205	SHAFT ASSEMBLY - Cam	1
44	001990	PIN - Roll, .135 O.D. x .515 O.A.L.	1
45	014902	PIN - Taper, .110 O.D. x .720 O.A.L.	1
46	014149	SCREW - 10-32 x 11/16	3
47	150083	NUT - 10-32	3
48	001062	RING - Retaining, .258 I.D. x .027 (M-9870)	1
	*	Not Procurable Separately	
	***	Not Available As An Assembly	

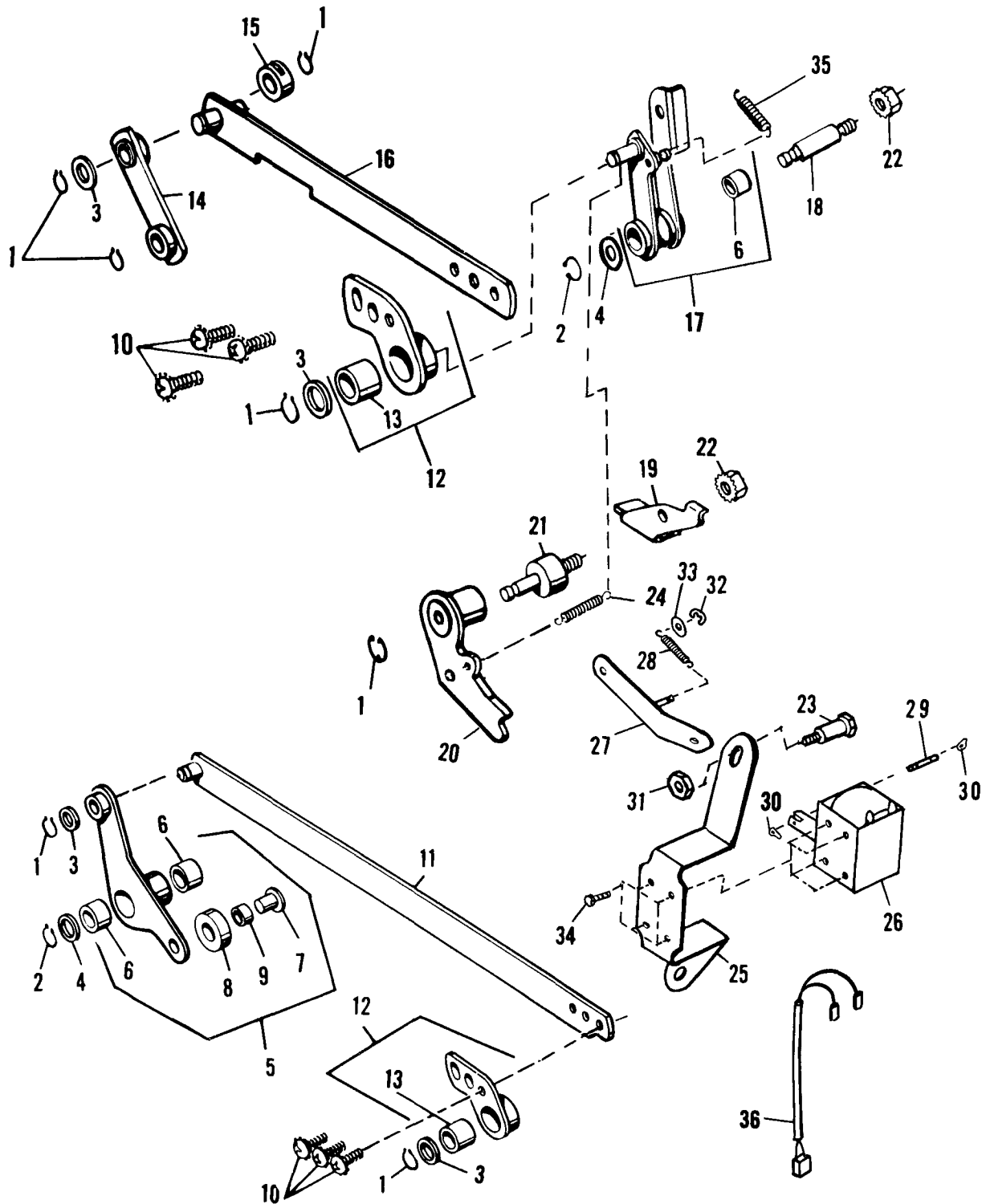


FIGURE 55 - MODEL 9865/9869
Feed Solenoid and Link Assemblies

parts catalog...

Index No.	Part No.	MODEL 9865/9869 - Figure 55 Description	Units Per Assy.
1	001047	RING - Retaining, .340 I.D. x .027	7
2	001075	RING - Retaining, .397 I.D. x .027	1
3	014703	WASHER - .384 I.D. x .562 O.D. x .029	4
4	190149	WASHER - .441 I.D. x .687 O.D. x .029	2
5	072177	LEVER ASSEMBLY - Follower, Feed	1
6	001412	BUSHING - .441 I.D. x .565 O.D. x .375 O.A.L.	2
7	*072790	RIVET	1
8	072176	ROLLER	1
9	072175	BUSHING - .220 I.D. x .313 O.D. x .324 O.A.L.	1
10	111035	SCREW - 8-32 x 7/16	6
11	072243	LINK ASSEMBLY - Feed, Long	1
12	072233	ADJUSTING PLATE ASSEMBLY	2
13	001404	BUSHING - .379 I.D. x .504 O.D. x .500	2
14	072189	LINK ASSEMBLY - Buckle Adjusting	1
15	072210	BEARING - .380 I.D. x .750 O.D.	1
16	072230	LINK ASSEMBLY - Forwarding, Short	1
17	072239	LEVER ASSEMBLY - Feed Forwarding	1
18	196233	STUD - Lever	1
19	076887	BRACKET-Stop	1
20	009530	LATCH ASSEMBLY -	1
21	072534	STUD - Eccentric	1
22	150085	NUT - 1/4-28	2
23	195140	SCREW - Shoulder	1
24	196469	SPRING - Tension, 19/64 O.D. x 1 17/32 O.A.L.	1
25	009527	SOLENOID BRACKET	1
26	253578	FEED SOLENOID - 115 VAC. 50/60/Hz.	1
27	009531	LINK	1
28	192181	SPRING	1
29	190713	PIN - Solenoid	1
30	014515	RING - Plastic, .080 I.D. X 160 O.D. X .025	2
31	014807	NUT - 1/4-28	1
32	014504	RING - Retaining, .146 I.D. X .027	1
33	021563	WASHER - .194 I.D.	1
34	111033	SCREW - 8-32 X 5/16	2
35	072442	SPRING - Tension, .343 O.D. X 2.000 O.A.L.	1
36	022824	CABLE ASSEMBLY - Feed Sol. 16" (M-9870)	1
	*	Not Procurable Separately	

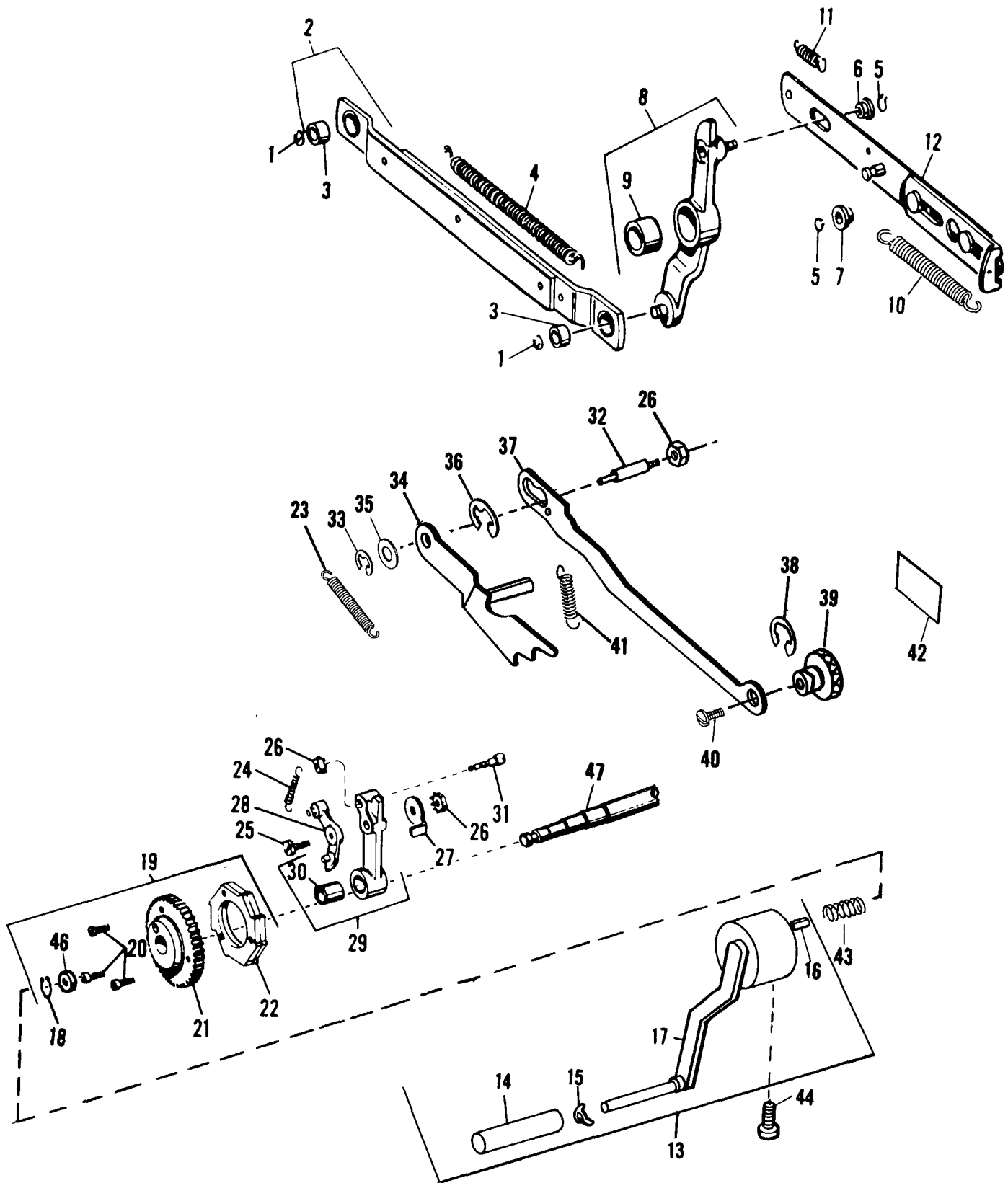


FIGURE 56 - MODEL 9865/9869
Feed Mechanism and Power Link

parts catalog...

Index No.	Part No.	MODEL 9865/9869 - Figure 56 Description	Units Per Assy.
1	001095	RING - Retaining, .245 I.D. x .500 O.D. x .027	2
2	073373	LINK ASSEMBLY	1
3	001472	BUSHING	2
4	073381	SPRING - .500 O.D. x 4.687 O.A.L.	1
5	001049	RING - Retaining, .227 I.D. x .027	2
6	072471	BUSHING	1
7	072472	BUSHING	1
8	072589	LEVER ASSEMBLY	1
9	001469	BUSHING	1
10	072512	SPRING - .343 O.D. x 3.031 O.A.L.	1
11	041777	SPRING - .312 O.D. x 1.344 O.A.L.	1
12	072504	LINK ASSEMBLY	1
13	025134	HAND CRANK ASSEMBLY	1
14	017715	HANDLE	1
15	003042	SPRING LOCK	1
16	014909	PIN - Roll, .264 O.D. x .702 O.A.L.	1
17	*	HAND CRANK WITH STUD	1
18	001048	RING - Retaining, .463 I.D. x .037	1
19	017644	RATCHET AND GEAR ASSEMBLY - 32 Tooth	1
20	014158	SCREW - 10-32 x 1/2	3
21	080144	GEAR	1
22	017645	RATCHET - 32 Tooth	1
23	072544	SPRING - .406 O.D. x 3.125 O.A.L.	1
24	064590	SPRING - .218 O.D. x .937 O.A.L.	1
25	072586	SCREW - Shoulder, 1/4-28	1
26	150085	NUT - 1/4-28	1
27	072580	ANCHOR - Spring	1
28	017647	PAWL ASSEMBLY	1
29	072576	LEVER ASSEMBLY	1
30	001470	BUSHING	1
31	072579	STUD - Spring	1
32	072621	STUD	1
33	001080	RING - Retaining, .302 I.D. x .660 O.D. x .037	1
34	075836	PAWL	1
35	192202	WASHER - .385 I.D. x .625 O.D. x .010	1
36	001094	RING - Retaining, .388 I.D. x .800 O.D. x .040	1
37	010142	LINK -	1
38	001785	RING - Crescent, .880 I.D. x 1.130 O.D. x .044	1
39	017125	KNOB	1
40	054147	SCREW - Shoulder, 8-32	1
41	006987	SPRING - .296 O.D. x 1.468 O.A.L.	1
42	017783	METAL CAL	1
43	190329	SPRING - Compression, 13/32 O.D. x 3/8 O.A.L.	1
44	072620	SCREW - Shoulder, 10-32	1
46	194868	SPACER - .520 I.D. x .687 O.D. x .125	1
47	017151	SHAFT ASSEMBLY - Table Raise	1
	*	Not Procurable Separately	

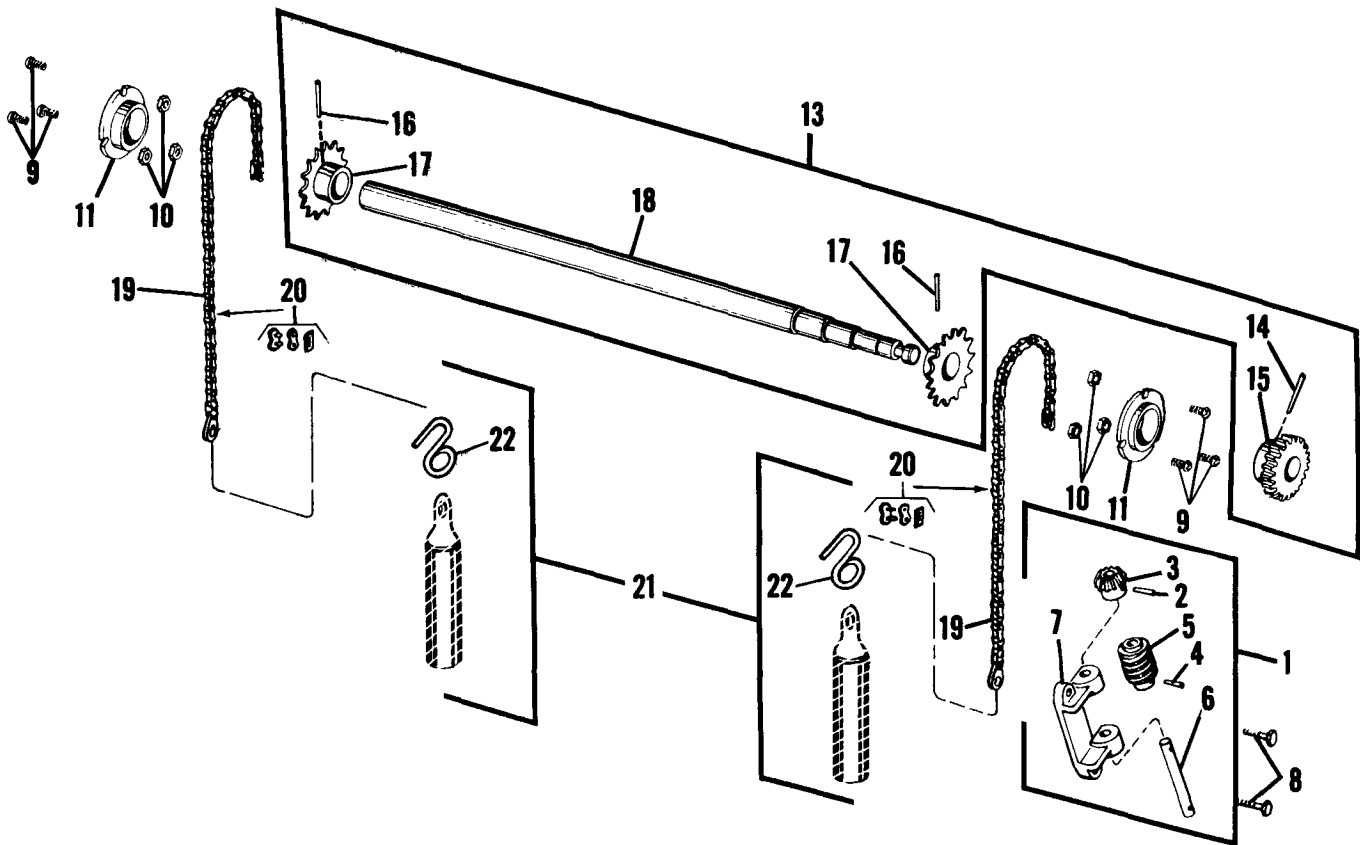


FIGURE 57 - MODEL 9865/9869
Feed Table Raising Mechanism

parts catalog...

Index No.	Part No.	MODEL 9865/9869 - Figure 57 Description	Units Per Assy.
1	080334	MITER AND WORM GEAR ASSEMBLY	1
2	100966	PIN - Spiral, .182 O.D. x .822 O.A.L.	1
3	*081607	GEAR	1
4	001920	PIN - Taper, .149 O.D. x .786 O.A.L.	1
5	*072636	GEAR - Worm	1
6	*072574	SHAFT	1
7	080337	BRACKET - Miter and Worm	1
8	072575	SCREW - 1/4-28	2
9	001555	SCREW - 10-32 x 1/2	6
10	014248	NUT - 10-32	6
11	072599	BEARING ASSEMBLY	2
13	017151	SHAFT ASSEMBLY - Table Raising	1
14	149385	PIN - Spiral, .152 O.D. x 1.250 O.A.L.	1
15	*080336	GEAR	1
16	001936	PIN - Taper, 1.250 O.A.L.	2
17	*072041	SPROCKET	2
18	*017150	SHAFT	1
19	072035	CHAIN ASSEMBLY - Table Raising	2
20	071576	LINK - Master	1
21	072077	WEIGHT ASSEMBLY	2
22	194835	HOOK	1
	*	Not Procurable Separately	

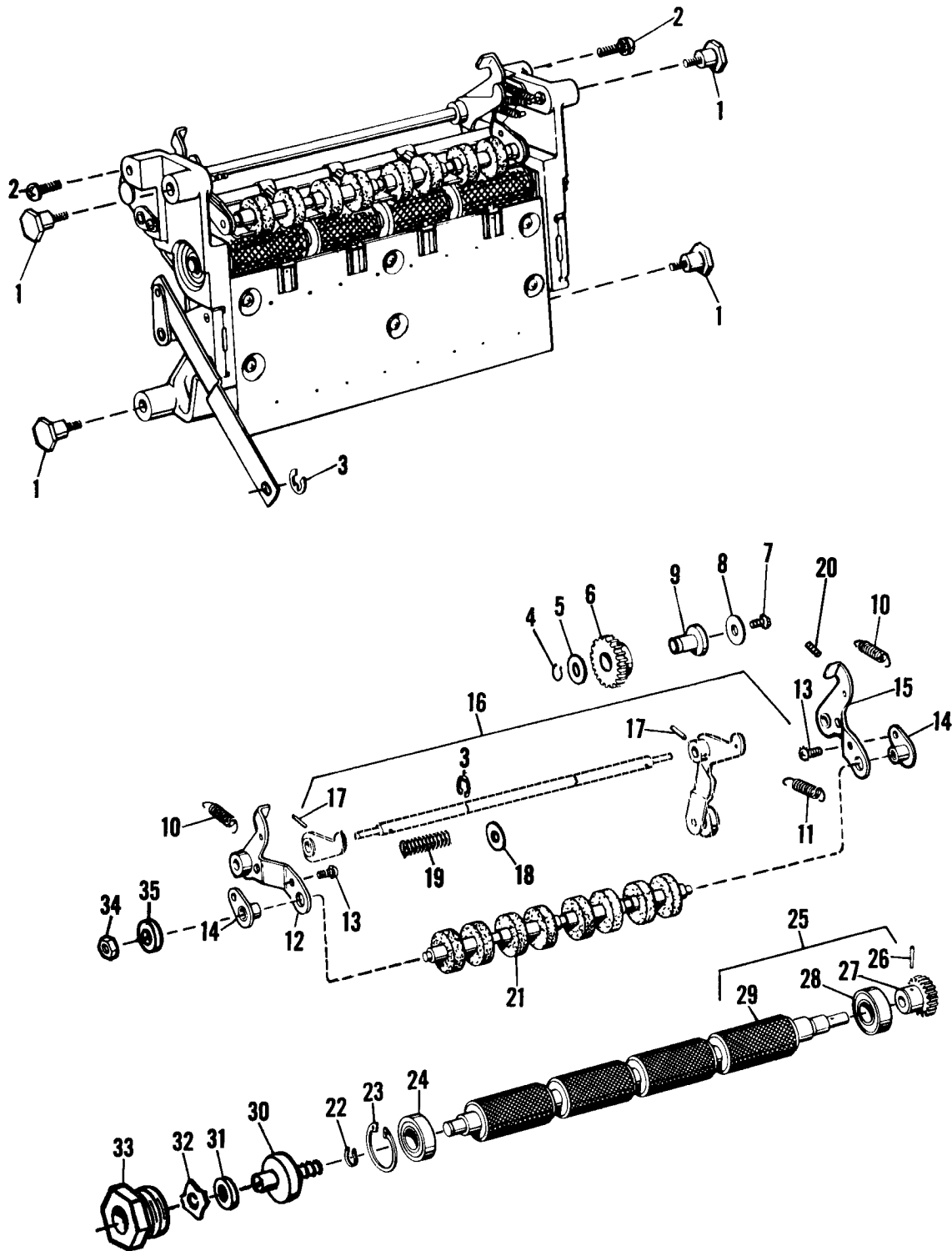


FIGURE 58 - MODEL 9865/9869
Main Tie Bar Assembly - Part I

parts catalog...

Index No.	Part No.	MODEL 9865/9869 - Figure 58 Description	Units Per Assy.
1	072154	SCREW - Shoulder	4
2	111073	SCREW - 1/4-28 x 5/8	2
3	001080	RING - Retaining, .302 I.D. x .660 O.D. x .037	4
4	001047	RING - Snap, .340 I.D. x .027	1
5	014727	WASHER - .380 I.D. x .750 O.D. x .029	1
6	072126	GEAR ASSEMBLY - Idler	1
7	111074	SCREW - 1/4-28 x 3/4	1
8	016572	WASHER - .255 I.D. x .875 O.D. x .059	1
9	072220	STUD	1
10	041776	SPRING - Tension, .343 O.D. x 1.375 O.A.L.	2
11	050435	SPRING - Tension, .250 O.D. x 1.375 O.A.L.	1
12	071556	LEVER ASSEMBLY - Segment Roll, R.H. (M-9865/69)	1
12	022766	LEVER ASSEMBLY - Segment Roll, O.S. (M-9870)	1
13	100701	SCREW - 10-32 x 3/8	2
14	074400	BEARING ASSEMBLY - Segment Roll, (M-9865/69/)	2
14	196783	BEARING - Ball, 1/4 I.D. x 5/8 O.D. x .196 (M-9870)	2
15	078301	LEVER ASSEMBLY - Segment Roll, L.H. (M-9865/69)	1
15	022767	LEVER ASSEMBLY - Segment Roll, N.O.S. (M-9870)	1
16	007651	SHAFT ASSEMBLY - Operating Lever, (M-9865/69)	1
16	022778	SHAFT ASSEMBLY - Operating Lever (M-9870)	1
17	100554	PIN - Roll, .136 O.D. x .760 O.A.L.	2
18	001755	WASHER - .385 I.D. x .625 O.D. x .047 (M-9870)	2
19	196444	SPRING - Compression, .382 I.D. x 1-5/32 O.A.L. .. (M-9870)	2
20	196784	SCREW - Set, 10-32 x 1"	2
21	007641	SHAFT ASSEMBLY - (M-9865/69)	1
21	022779	SHAFT ASSEMBLY (M-9870)	1
22	001074	RING - Retaining, .430 I.D. x .027	1
23	001067	RING - Retaining, 1.641 O.D. x .038, Internal	1
24	072124	BEARING - Lower Forwarding Roller	1
25	007647	ROLLER ASSEMBLY - (M-9865/69)	1
25	022759	ROLLER ASSEMBLY (M-9870)	1
26	149344	PIN - Spiral, .112 O.D.	1
27	*072125	GEAR	1
28	072124	BEARING	1
29	*007648	ROLLER - Lower Forwarding	1
30	022757	SCREW - Special, (M-9870)	1
31	196779	BEARING - Thrust, 5/16 I.D. x 11/16 O.D. x 7/32 .. (M-9870)	1
32	196780	SPRING - Wave	1
33	022758	CAP - Bearing (M-9870)	1
34	022773	NUT - Special, 1/4-28 (M-9870)	2
35	022772	RETAINER - Nut, 13/16-32 (M-9870)	2
	*	Not Procurable Separately	

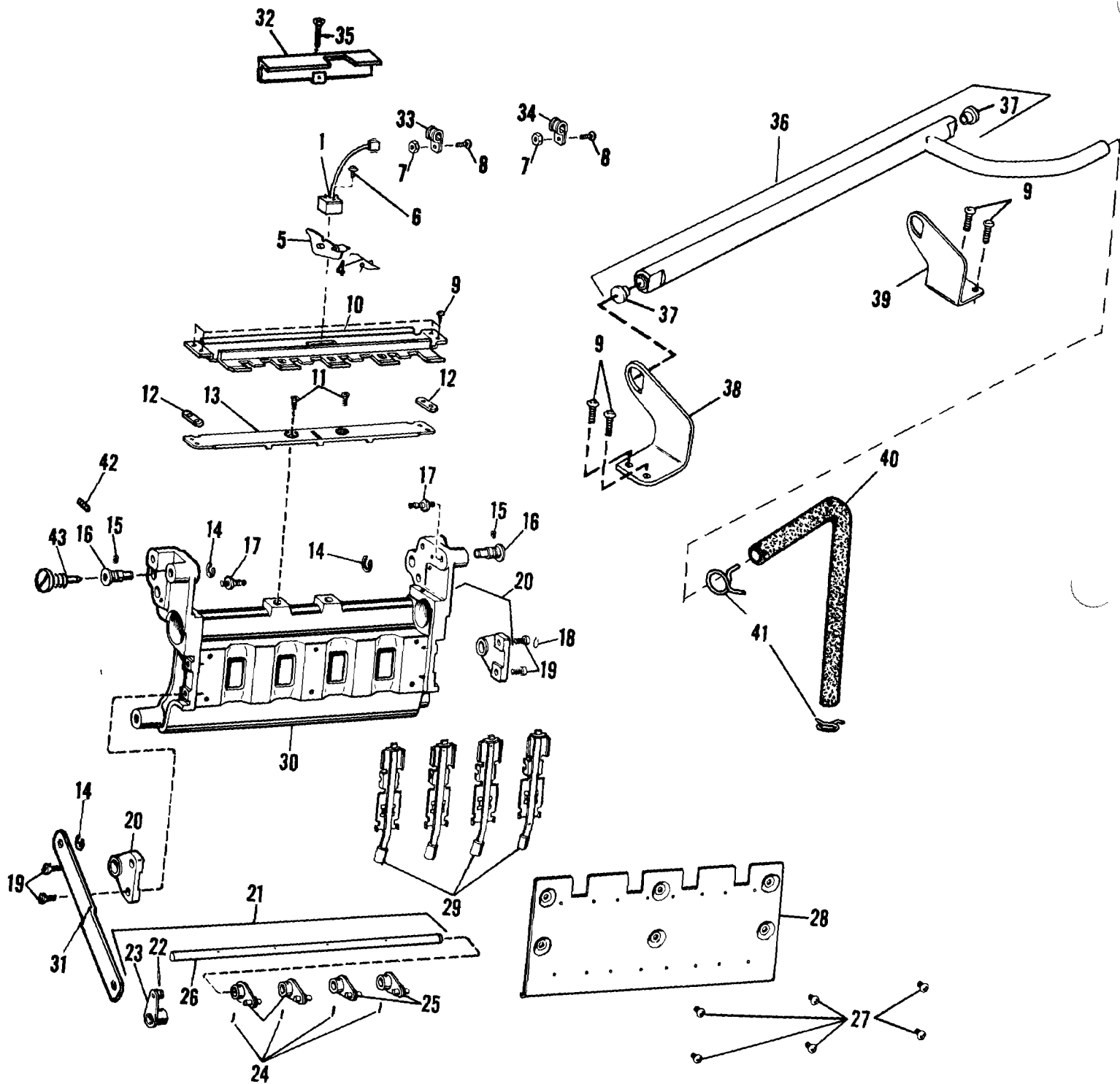


FIGURE 59 - MODEL 9865/9869
Main Tie Bar Assembly - Part II

parts catalog...

Index No.	Part No.	MODEL 9865/9869 - Figure 59 Description	Units Per Assy.
1	009532	PAPER SENSOR	1
4	009535	SPRING - Torsion, Interrupter	1
5	009536	INTERRUPTER - Sensor	1
6	100678	SCREW - 4-40 x 5/8	1
7	014811	NUT - 8-32	2
8	014369	SCREW - 8-32 x 3/8	2
9	001565	SCREW - 8-32 x 9/16	4
10	009538	PAPER CHUTE - Upper	1
11	001542	SCREW - 10-32 x 7/16	1
12	191308	SPACER - Paper Chute	2
13	009540	PAPER CHUTE - Lower	1
14	001080	RING - Retaining, .302 I.D. x .660 O.D. x .037	3
15	130033	SCREW - Set, 8-32 x 1/4	2
16	072099	PIVOT - Segment Roller Shaft, (M-9865/69)	2
16	022788	INSERT - Segment Roller Shaft,	2
17	072106	SPRING ANCHOR - (M-9865/69)	2
17	022771	ANCHOR - Spring	2
18	001046	RING - Snap, .283 I.D. x .027	1
19	014158	SCREW - 10-32 x 1/2	4
20	073712	BEARING BRACKET ASSEMBLY - Finger Operating	2
21	017133	SHAFT ASSEMBLY - Finger Operating	1
22	000020	PIN - Taper, .112 O.D. x .625 O.A.L.	1
23	*072134	LEVER - Finger Operating	1
24	001984	PIN - Roll, .103 O.D. x .640 O.A.L.	6
25	*072136	LEVER - Finger Operating	6
26	*007650	SHAFT - Finger Operating	1
27	001106	SCREW - 10-32 x 5/16	6
28	017134	APRON ASSEMBLY	1
29	072143	FINGER AND TUBE ASSEMBLY	6
30	009537	CASTING - Main Tie Bar, (M-9865/69)	1
30	022761	CASTING - Main Tie Bar	1
31	080411	LINK	1
32	018402	COVER - Plastic	1
33	100483	CLAMP - Cable, 1/8 I.D.	1
34	250202	CLAMP - Cable, 1/8 I.D.	1
35	122502	SCREW - 4-40 x 5/16	1
36	025148	DRYER ASSEMBLY - Blanket	1
37	012335	PLUG	2
38	012338	BRACKET - O.S.	1
39	012337	BRACKET - N.O.S.	1
40	012479	TUBING - 1/2" O.D. X 27" O.A.L. (5 Blanket Dryer).....	1
41	073487	CLAMP - Hose	1
42	014372	SCREW - Set, 10-32 x 1/4	2
43	022770	SCREW - Pivot	1
	*	Not Procurable Separately	

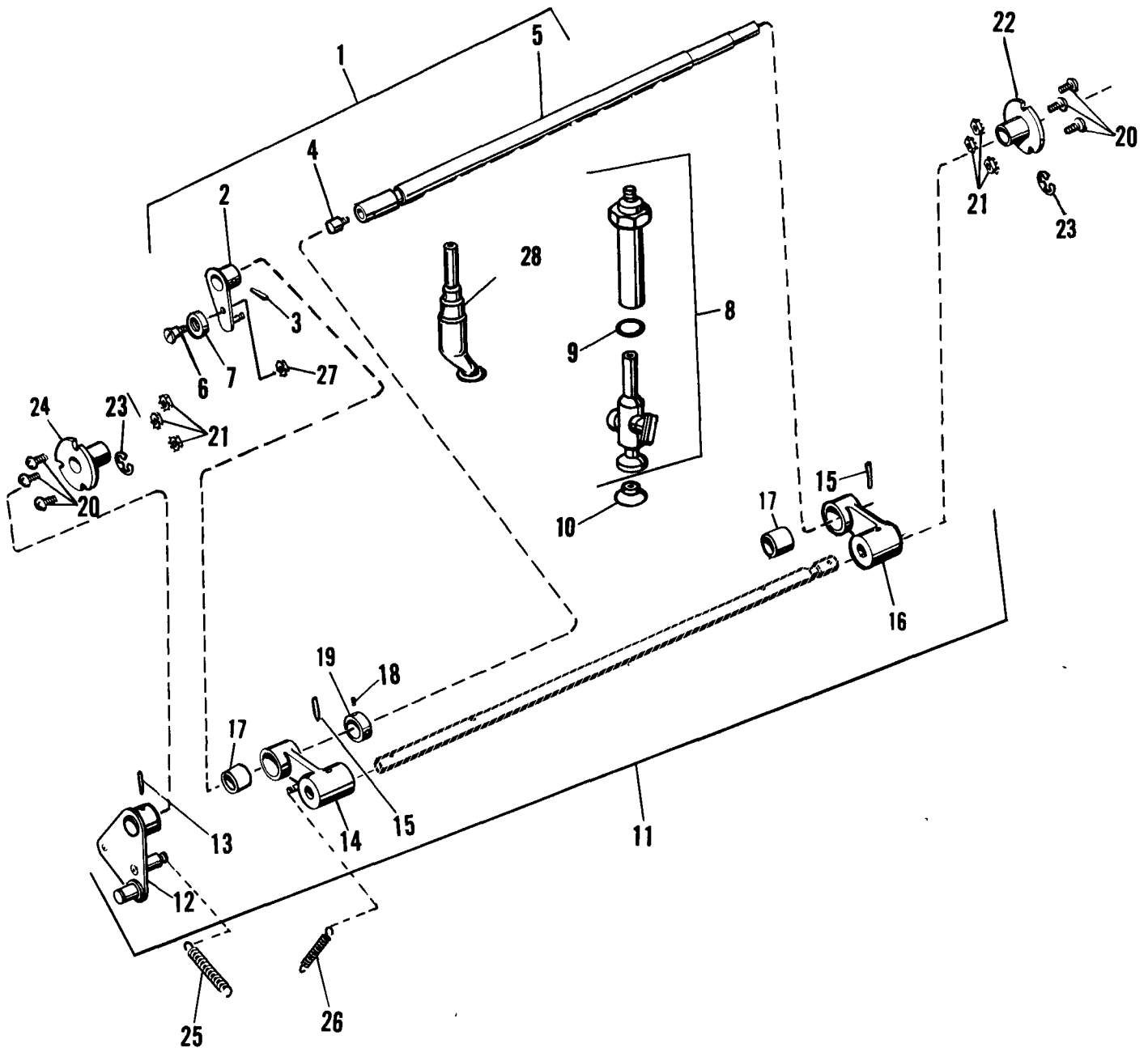


FIGURE 60 - MODEL 9865/9869
Sucker Foot Assembly

parts catalog...

Index No.	Part No.	MODEL 9865/9869 - Figure 60 Description	Units Per Assy.
1	007601	TUBE ASSEMBLY - Header	1
2	*072710	LEVER	1
3	001956	PIN - Taper, .155 O.D. x .968 O.A.L.	1
4	073478	PLUG - Header Tube	1
5	*007602	TUBE - Header	1
6	191367	STUD - Shoulder	1
7	072712	TRUCK	1
8	018014	SUCKER TUBE	11
10	084248	FOOT - Rubber	11
11	007563	SHAFT ASSEMBLY - Feed Raise	1
12	*072245	LEVER	1
13	001987	PIN - Roll, .167 O.D. x .890 O.A.L.	3
14	*072717	LEVER ASSEMBLY - O.S.	1
15	000014	PIN - Taper, .146 O.D. x 1.094 O.A.L.	2
16	*072720	LEVER ASSEMBLY - N.O.S.	1
17	001495	BUSHING - .609 I.D. X .817 O.D. X.750	2
18	014372	SCREW - Set, 10-32 x 1/4	4
19	072748	COLLAR - Header Tube and Lever	1
20	111055	SCREW - 10-32 x 9/16	6
21	150083	NUT - 10-32	6
22	076882	HOUSING ASSEMBLY - Feed Raise Shaft Bearing	2
23	101611	RING - Retaining, .756 I.D. x .044	2
24	076894	HOUSING ASSEMBLY	1
25	073486	SPRING - Tension, .581 O.D. x 2.437 O.A.L. x .080	1
26	072442	SPRING - Tension, .343 O.D. x 2.000 O.A.L. x .040	1
27	150085	NUT - 1/4-28	1
28	970205	SUCKER TUBE - Curved	11
	*	Not Procurable Separately	

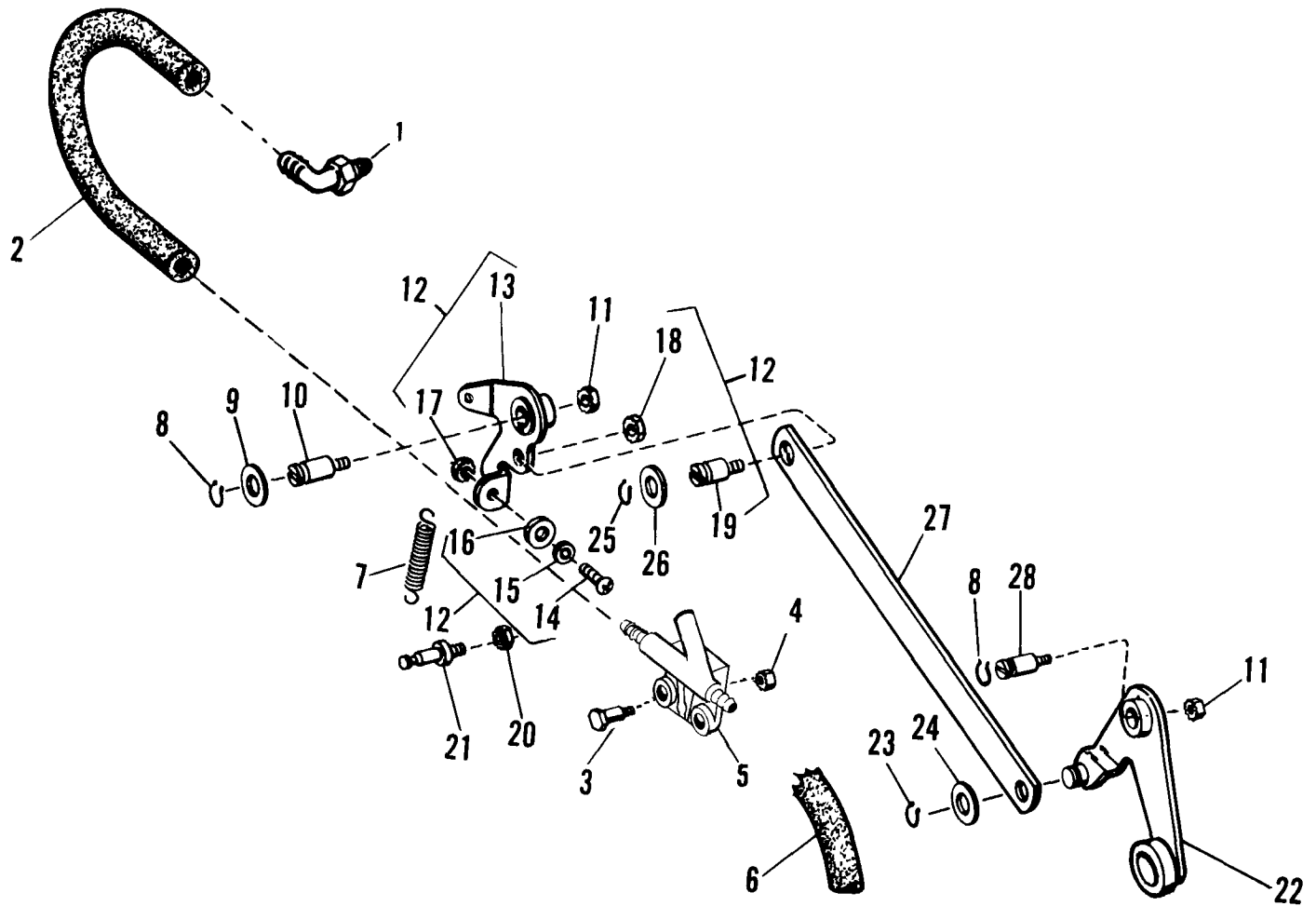
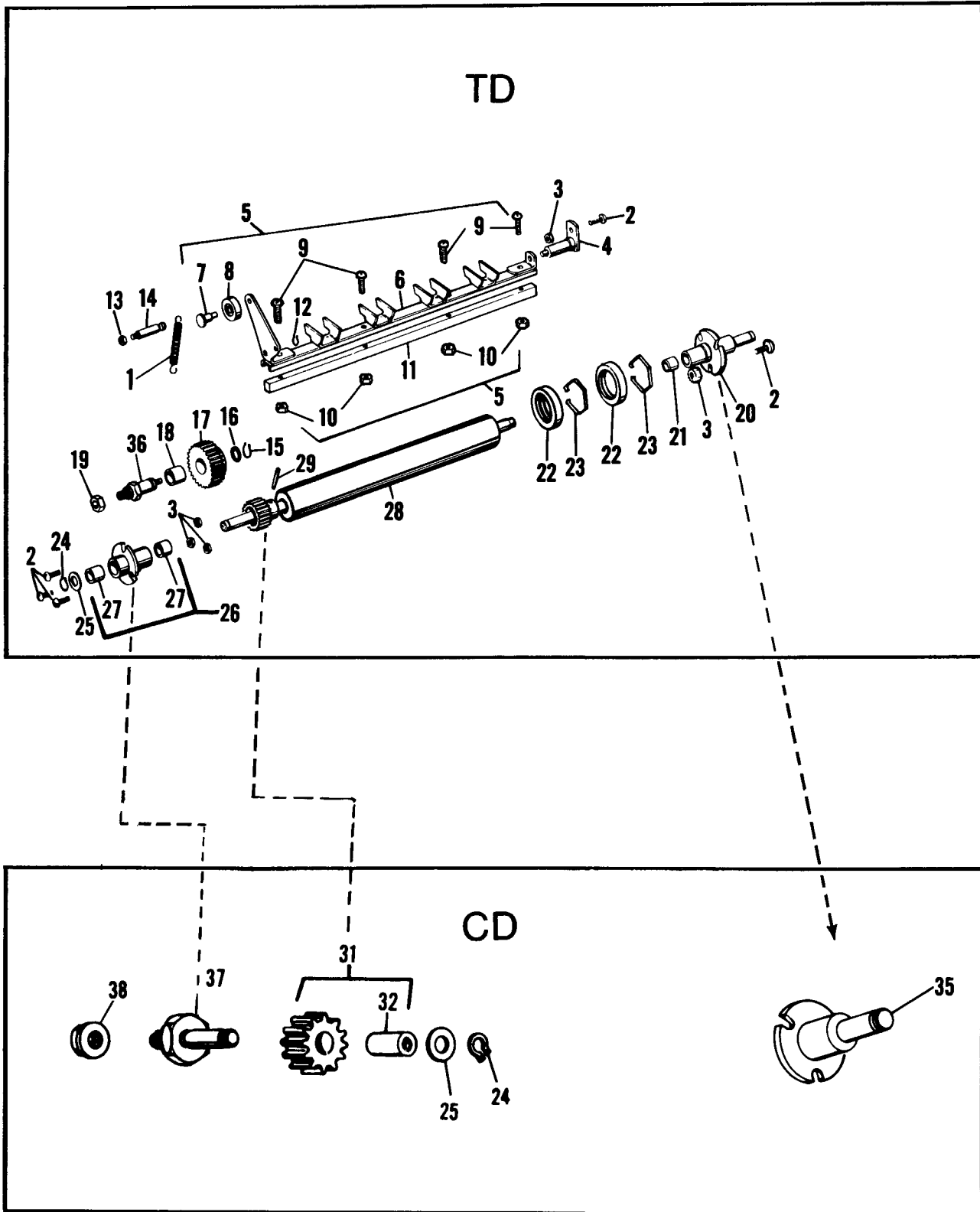


FIGURE 61 - MODEL 9865/9869
Vacuum Make and Break Control

parts catalog...

Index No.	Part No.	MODEL 9865/9869 - Figure 61 Description	Units Per Assy.
1	191844	ELBOW - Vacuum Hose	1
2	072254	HOSE - Vacuum, 11/16" O.D. X 12-1/4" O.A.L.	1
3	193894	SCREW - Vacuum Valve	2
4	150085	NUT - 1/4-28	2
5	076142	VALVE - Vacuum	1
6	012478	TUBE - Vacuum Valve/Vacuum Break-7/16 I.D. X 32-1/2 O.A.L..	1
7	072442	SPRING - Tension, .343 I.D. x 2.000 O.A.L.	1
8	001047	RING - Retaining, .340 I.D. x .027	2
9	001755	WASHER - .385 I.D. x .625 O.D. x .047	1
10	073497	STUD - Vacuum Break Lever	1
11	150083	NUT - 10-32	2
12	073496	LEVER ASSEMBLY - Vacuum Break	1
13	071570	LEVER - Vacuum Break	1
14	014369	SCREW - 8-32 x 3/8	1
15	003850	WASHER - .172 I.D. x .375 O.D. x .059	1
16	072704	WASHER - Leather, .172 I.D. x .322 O.D. x .063	1
17	014811	NUT - 8-32	1
18	014808	NUT - 10-32	1
19	073498	PIN - Vacuum Break Lever	1
20	014808	NUT - 10-32	1
21	072412	STUD - Vacuum Break Lever Spring	1
22	073493	LEVER - Cam Roller	1
23	001049	RING - Retaining, .227 I.D. x .027	1
24	021203	WASHER - .254 I.D. x .500 O.D. x .029	1
25	001046	RING - Retaining, .283 I.D. x .027	1
26	001750	WASHER - .328 I.D. x .562 O.D. x .047	1
27	073494	LINK - Vacuum	1
28	072734	STUD - Cam Roller Lever	1

parts catalog...



**FIGURE 62 - MODEL 9865/9869
Delivery Roller and Stripper Assembly**

parts catalog...

Index No.	Part No.	MODEL 9865/9869 - Figure 62 Description	Units Per Assy.
1	058552	SPRING - Tension, .343 O.D. x 1.750 O.A.L.	1
2	111055	SCREW - 10-32 x 9/16	7
3	150083	NUT - 10-32	7
4	072314	PIVOT - Stripper Assembly	1
5	***007696	CHANNEL ASSEMBLY - Stripper	1
6	007697	STRIPPER CHANNEL	1
7	064112	RIVET	1
8	064234	BEARING	1
9	001267	SCREW - 10-32 x 3/4	4
10	014808	NUT - 10-32	4
11	007699	BAR - Stripper Channel Support	1
12	001044	RING - Retaining, .170 I.D. x .017	1
13	014807	NUT - 1/4-28	1
14	072328	SPRING ANCHOR - Stripper Channel Spring	1
15	001048	RING - Retaining, .463 I.D. x .037	1
16	014712	WASHER - .515 I.D. x .750 O.D. x .029	1
17	072325	IDLER GEAR ASSEMBLY - Tray Delivery	1
18	001413	BUSHING - .503 I.D. x .625 O.D. x .750 O.A.L.	1
19	150088	NUT - 3/8-16	1
20	072184	STUD ASSEMBLY - Raise, TD.	1
21	001404	BUSHING - .379 I.D. x .504 O.D. x .500 O.A.L.	1
22	072628	COLLAR - Adjustable	2
23	072629	SPRING - Friction	2
24	001047	RING - Retaining, .340 I.D. x .027	1
25	014727	WASHER - .382 I.D. x .750 O.D. x .029	1
26	072333	HOUSING ASSEMBLY - Delivery Roller, TD.	2
27	001404	BUSHING - .379 I.D. x .504 O.D. x .500 O.A.L.	2
28	007751	ROLLER AND GEAR DELIVERY - TD	1
29	001978	PIN - Roll, .135 O.D. x .640 O.A.L.	1
31	016378	GEAR ASSEMBLY - CD.	1
32	001401	BUSHING - .379 I.D. x .504 O.D. x .750 O.A.L.	1
35	080192	STUD - Follower Lever Pivot, CD.	1
36	072327	STUD - Idler Gear, Tray Delivery	1
37	196388	STUD - Chain Delivery	1
38	150089	NUT - 3/8-24	1
	***	Not Available as An Assembly	

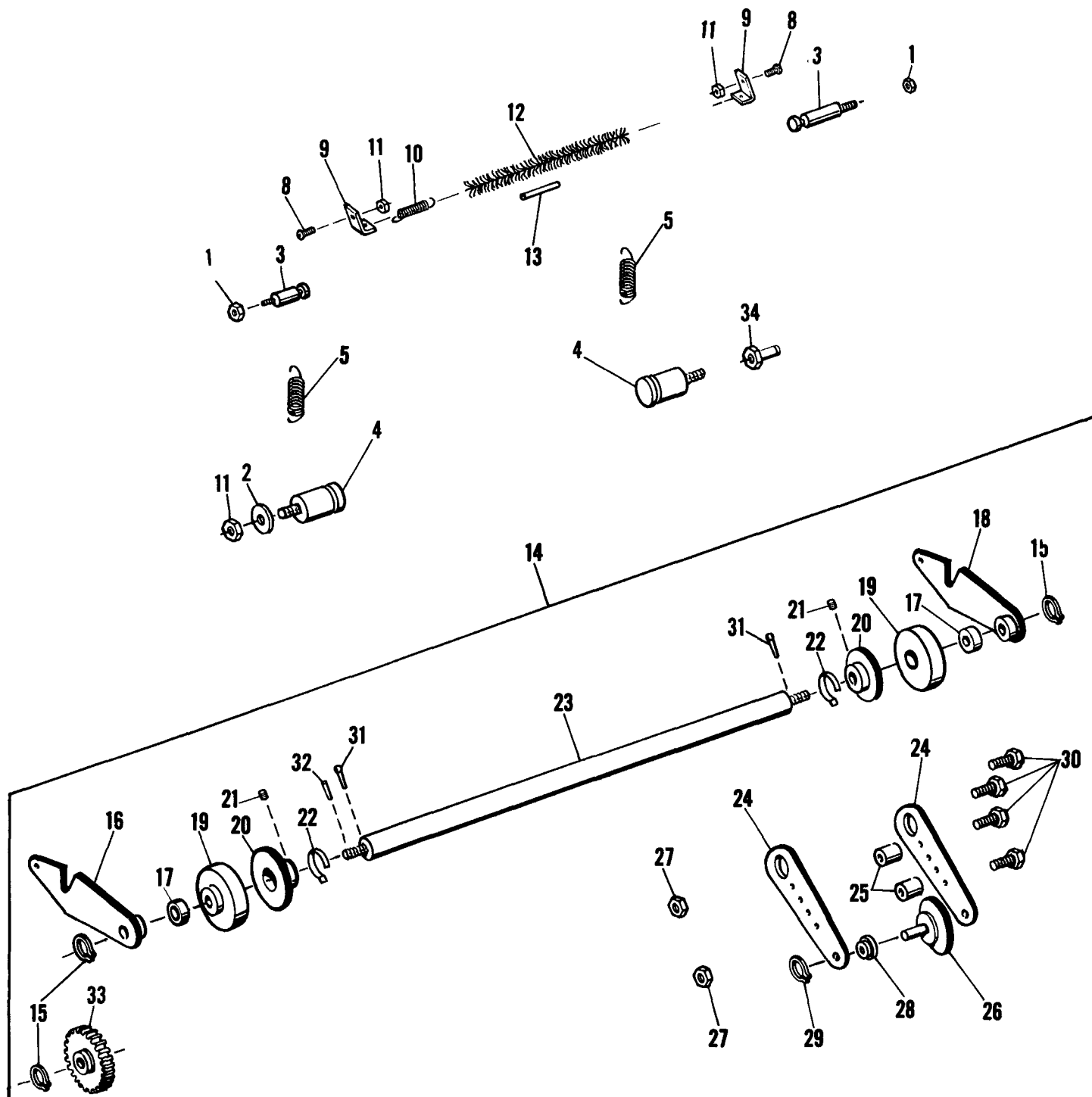


FIGURE 63 - MODEL 9865/9869
Hold Down Roller Assembly

parts catalog...

Index No.	Part No.	MODEL 9865/9869 - Figure 63 Description	Units Per Assy.
1	014807	NUT - 1/4-28	3
2	061452	SPACER	1
3	078368	ANCHOR - Spring	2
4	078363	PIVOT - Cradle Arm	2
5	073459	SPRING - Tension, .359 O.D. x 2.062 O.A.L.	2
8	014110	SCREW - 1/4-28 x 1/2	2
9	072347	BRACKET - Tinsel	2
10	050621	SPRING - Tension, .218 O.D. x 1.218 O.A.L.	2
11	150085	NUT - 1/4-28	3
12	****	TINSEL	A/R
13	196343	TUBING - Vinyl	1
14	***008290	ROLLER ASSEMBLY	1
15	001060	RING - Retaining, .208 I.D. x .527 O.D. x .027	3
16	078367	ARM ASSEMBLY - N.O.S.	1
17	001409	BUSHING - .254 I.D. x .379 O.D. x .312 O.A.L.	2
18	078364	ARM ASSEMBLY - O.S.	1
19	077866	ROLLER - Hold Down	2
20	013287	ROLLER - Adjustable	2
21	077236	PLUG - Friction	2
22	077117	CLIP - Adjustable Roller	2
23	008289	SHAFT - Adjustable Roller	1
24	013913	BRACKET	4
25	195322	SPACER	4
26	007236	ROLLER - Adjustable, Lower	2
27	014248	NUT - Lock, 10-32	4
28	012913	HUB ASSEMBLY	4
29	101005	RING - Retaining, .397 I.D. x .027	4
30	111059	SCREW - Hex, 10-32 x 1.000 O.A.L.	4
31	100388	PIN - Cotter, .060 O.D. x 1.000 O.A.L.	2
32	100398	PIN - Roll, .103 O.D. x .577 O.A.L.	1
33	076684	GEAR - 24T	1
34	196420	STUD	1
	***	Not Available As An Assembly	
	****	Order as supply #670 (2 rolls = 12 yds. or 10.9 M. each)	

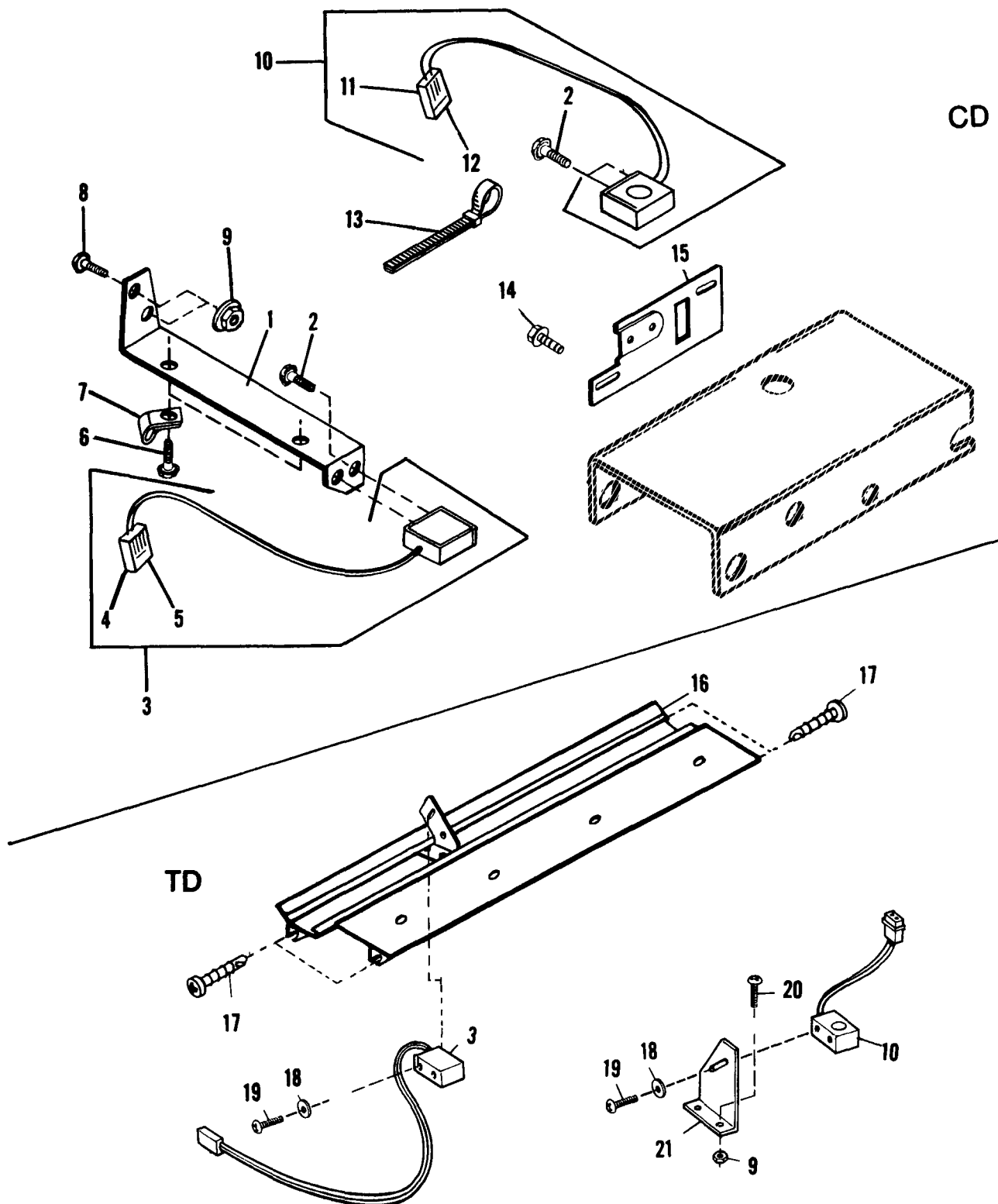


FIGURE 64 - MODEL 9865/9869
Jam Detector Assembly

parts catalog...

Index No.	Part No.	MODEL 9865/9869 - Figure 64 Description	Units Per Assy.
1	016459	BRACKET - Sensor	1
2	000895	SCREW - 6-32 X 3/8	4
3	011506	PHOTOTRANSISTOR ASSEMBLY - Upper	1
4	250256	CONNECTOR HOUSING - Plug	1
5	250259	TERMINAL - Socket	2
6	100666	SCREW - Self-Tapping, 8-32 X 5/16	2
7	250202	CLAMP - Cable, 1/8	2
8	001542	SCREW - Flat Head, 10-32 X 7/16	2
9	150083	NUT - 10-32	2
10	011507	LAMP ASSEMBLY - Infrared, Lower	1
11	250258	CONNECTOR HOUSING - Socket	1
12	250257	TERMINAL - Pin	2
13	250077	TIE - Cable, 3-7/8 O.A.L.	2
14	001541	SCREW - 6-32 X 1/4	2
15	016298	BRACKET - Sensor	1
16	025470	GUARD - Delivery Roller	1
17	101976	SCREW - 1/4-20 X 3/4	2
18	006801	WASHER - Flat, .149 I.D.	4
19	014233	SCREW - 6-32 X 3/8	4
20	001220	SCREW - 10-32 X 3/8	2
21	011518	BRACKET - Sensor, Lower	1

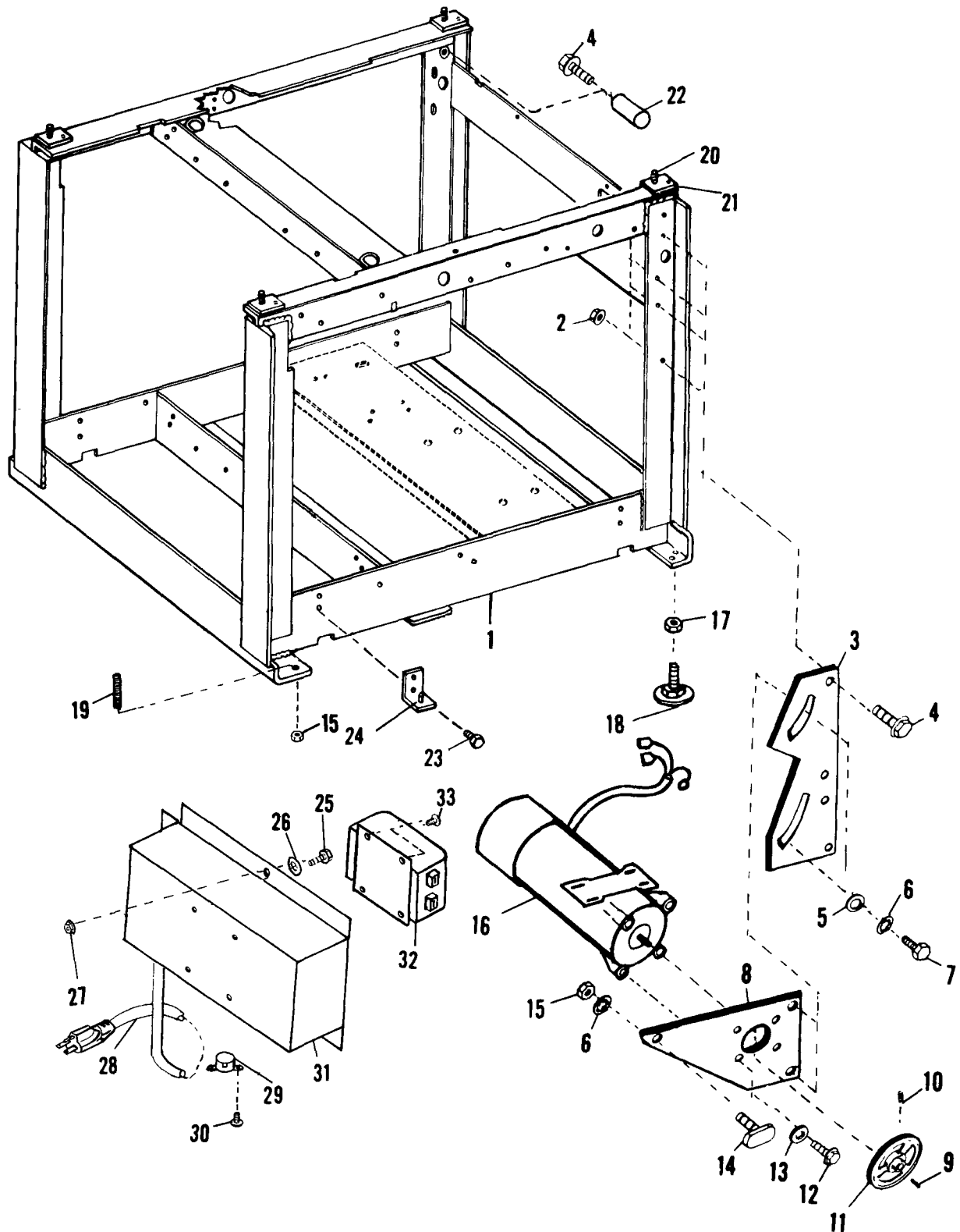


FIGURE 65 - MODEL 9865/9869
Base Frame and Drive Motor

parts catalog...

Index No.	Part No.	MODEL 9865/9869 - Figure 65 Description	Units Per Assy.
1	017545	BASE ASSEMBLY - Welded.....	1
2	150085	NUT - 1/4-28	4
3	083392	PLATE - Spacer	1
4	111074	SCREW - 1/4-28 X 3/4	4
4	111091	SCREW - 5/16-24 X 3/4	4
5	193647	WASHER - Plain, 1/2 I.D. X 1.000 O.D. X .059	2
6	014751	WASHER - Lock, 1/2 O.D.	3
7	101203	SCREW - 1/2-20 X 3/4	2
8	083393	PLATE - Motor Mount	1
9	191963	KEY - 3/16 X 1-1/8	1
10	001523	SCREW - Set, 5/16-18 X 3/8	1
11	025123	PULLEY - 4.4 O.D.	1
12	101869	SCREW - 3/8-16 X 1.000	4
13	001763	WASHER - Lock, 3/8 I.D.	4
14	083394	PIN - Pivot, 1/2-20	1
15	101170	NUT - 1/2-20	3
16	025350	MOTOR ASSEMBLY - 180 V.D.C. 1 HP.	1
17	001845	NUT - 3/8-24	3
18	017542	GLIDER	3
19	101913	SCREW - Set, 1/2-20 X 2" O.A.L.	2
20	190129	SCREW - 5/16-18 X 1.000	4
21	011066	SPACER	4
22	196470	STUD - Tray Support	2
23	111073	SCREW - 1/4-28 X 5/8	4
24	017722	BRACKET - Support	2
25	111053	SCREW - 10-32 X 3/8	3
26	001706	WASHER - Lock, #10	3
27	150083	NUT - 10-32	3
28	025355	CORD - Power, 15'	1
29	253622	RECEPTACLE - 250V. 15 Amp.	1
30	001563	SCREW - 8-32 X 3/16	2
31	025401	HOUSING ASSEMBLY - Line Filter	1
32	253619	FILTER - RFI/EMI.	1
33	014369	SCREW - 8-32 X 3/8	4
	083819	GRAY MOTOR BRUSALS.	
	083822	BLUE MOTOR BRUSALS	

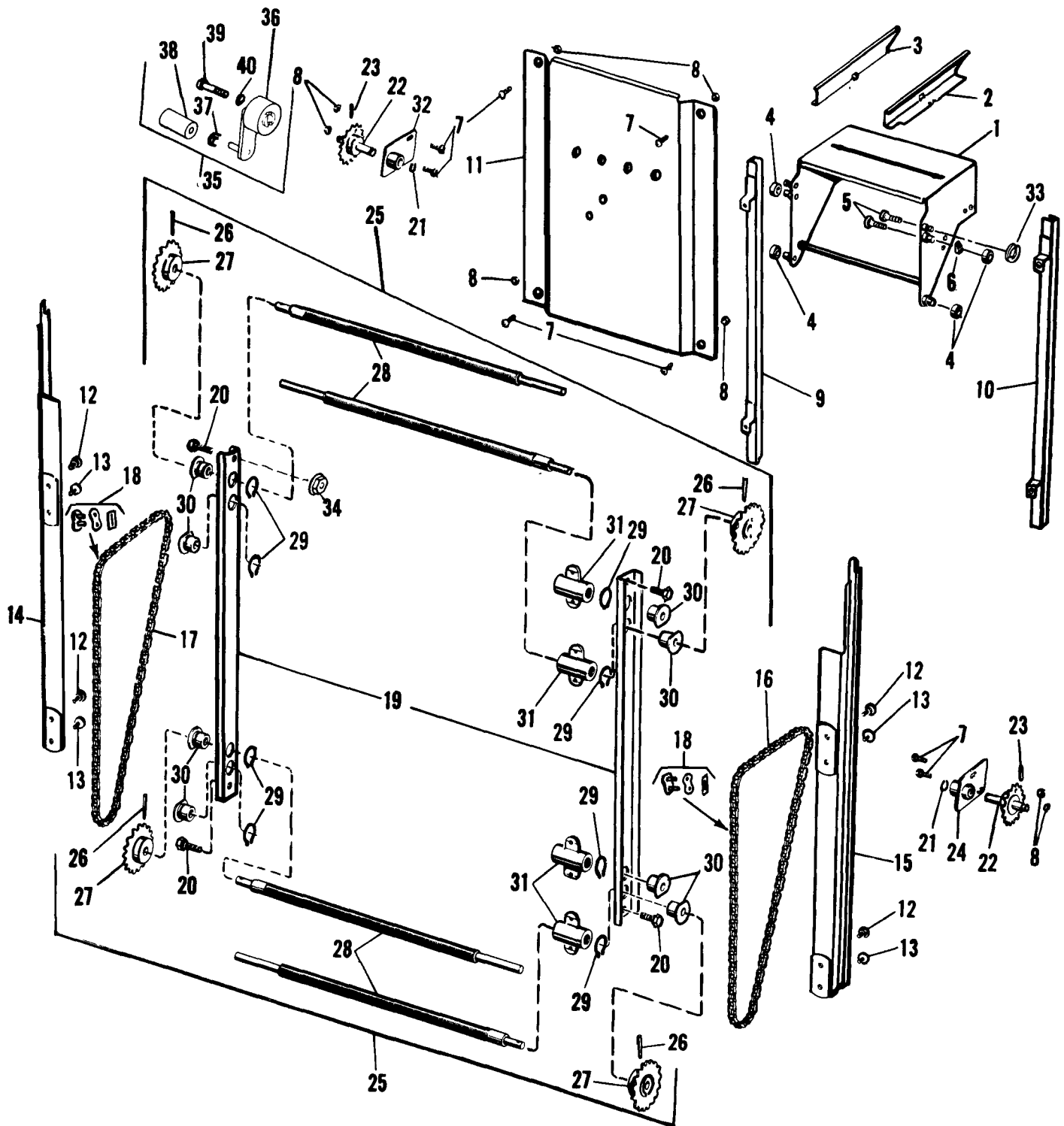


FIGURE 66 - MODEL 9865/9869
Feed Table and Paper Guides

parts catalog...

Index No.	Part No.	MODEL 9865/9869 - Figure 66 Description	Units Per Assy.
1	017682	FEED TABLE ASSEMBLY	1
2	011431	SUPPORT GUIDE - O.S.	1
3	011432	SUPPORT GUIDE - N.O.S.	1
4	072029	TRUCK - Feed Table	4
5	001690	SCREW - 10-32 x 5/16	4
6	073473	BRACKET - Trip	2
7	111073	SCREW - 1/4-28 x 5/8	12
8	150085	NUT - 1/4-28	12
9	011052	CHANNEL ASSEMBLY - N.O.S.	1
10	011051	CHANNEL ASSEMBLY - O.S.	1
11	025147	PANEL - Cover	1
12	016327	SCREW - Shoulder, 10-32	4
13	016060	SCREW - 10-32 x 3/8	4
14	072070	GUIDE ASSEMBLY - N.O.S. (M-9865/69)	1
14	087266	GUIDE ASSEMBLY - N.O.S. (W/Micro Lateral) (M-9870)	1
15	072069	GUIDE ASSEMBLY - O.S.	1
16	072024	CHAIN - Table Adjusting, O.S.	1
17	072037	CHAIN - Table Adjusting, N.O.S.	1
18	071576	LINK - Master	1
19	072063	BRACKET - Guide Screw Bearing	2
20	111089	SCREW - 5/16-24 x 5/8	4
21	001048	RING - Retaining, .463 I.D.	2
22	013947	SPROCKET ASSEMBLY - Table Adjusting	2
23	001980	PIN - Roll, .135 O.D. x .640 O.A.L.	2
24	011077	BRACKET ASSEMBLY - N.O.S.	1
25	007533	SCREW ASSEMBLY - Feed Table Guide	4
26	000024	PIN - Taper, .176 O.D. x 1.141 O.A.L.	4
27	*072044	SPROCKET - 15 Tooth	4
28	*007534	SCREW	4
29	100119	RING - Retaining, .815 I.D.	8
30	072064	BEARING - Guide Screw	4
31	084473	BEARING - Guide Screw	4
32	011076	BRACKET ASSEMBLY - O.S.	1
33	001095	RING - Retaining, .245 I.D.	2
34	150087	NUT - 5/16-24	4
35	017595	CRANK ASSEMBLY	2
36	017594	CRANK ARM	1
37	072052	LOCK -Spring	1
38	011371	HANDLE	1
39	196244	SCREW - Special, 10-32 X 1.000 O.A.L.	2
40	039642	RING - Vinyl, .155 I.D. X .295 O.D. X .075	2
*		Not Procurable Separately Supply Items 9122 - 11"x17" Paper Support Boards, 12 per carton 9123 - 8-1/2"x11", 14" Paper Support Boards 12 per carton	

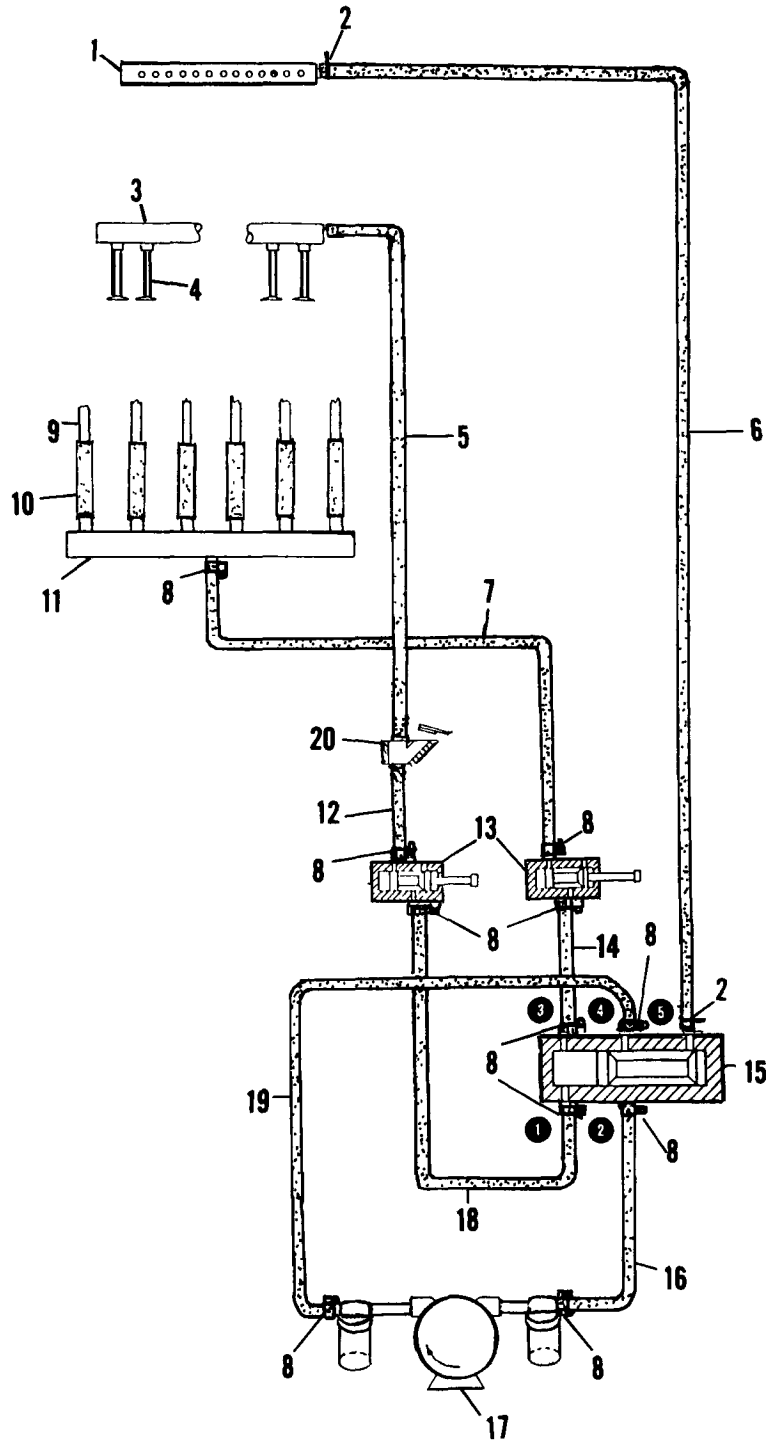


FIGURE 67 - MODEL 9865/9869
Tubing

parts catalog...

Index No.	Part No.	MODEL 9865/9869 - Figure 67 Description	Units Per Assy.
1	025148	DRYER ASSEMBLY	1
2	073487	CLAMP	2
3	007601	TUBE ASSEMBLY - Header	1
4	018014	SUCKER TUBE	11
5	072254	HOSE - Vacuum, 3/8 I.D. X 12-1/4" O.A.L.	1
6	012479	HOSE - Blanket Dryer/ #5 ,5/16 I.D. X 27" O.A.L.	1
7	012476	HOSE - Air Valve/Header, 7/16 I.D. X 15-1/2" O.A.L.	1
8	072741	CLAMP	11
9	072143	FINGER and TUBE ASSEMBLY	6
10	195197	TUBING - 5/16 I.D. X 6-3/8" O.A.L.	6
11	007672	HEADER ASSEMBLY	1
12	012478	TUBE - Vac.Valve/Vac.Break, 7/16 I.D. X 32-1/2" O.A.L.	1
13	016897	VALVE ASSEMBLY	2
14	012477	TUBE - Air Valve/#3, 7/16 I.D. X 15-1/2" O.A.L.	1
15	025195	SHUTTEL VALVE ASSEMBLY	1
16	025133	TUBE - Vacuum Filter/#2, 7/16 I.D. X 18-1/2" O.A.L.	1
17	072821	PUMP ASSEMBLY	1
18	012475	TUBE - Vacuum Valve/#1,7/16 I.D. X 15-1/2" O.A.L.	1
19	025192	TUBE - Air Filter /#4, 7/16 I.D. X 20-3/4" O.A.L.	1
20	076142	VACUUM BREAKER	1

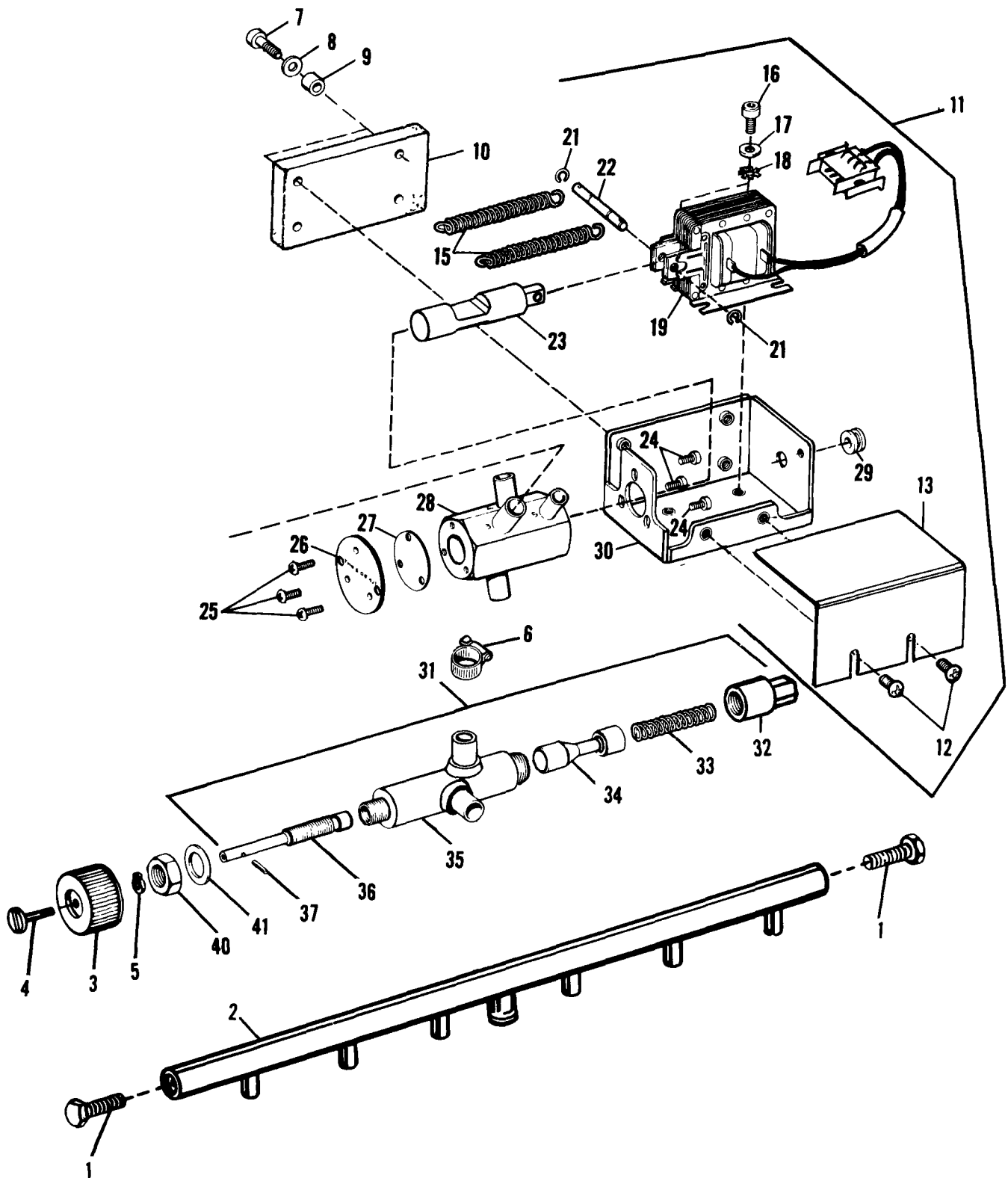


FIGURE 68 - MODEL 9865/9869
Air, Vacuum and Shuttle Valves

parts catalog...

Index No.	Part No.	MODEL 9865/9869 - Figure 68 Description	Units Per Assy.
1	111073	SCREW - 1/4-28 X 5/8	2
2	007672	HEADER ASSEMBLY	1
3	017735	KNOB - Air and Vacuum	2
4	196246	SCREW - Dowel, 1/4-28	2
5	039642	RING - Vinyl, .135 I.D.	2
6	072741	CLAMP - Hose	10
7	014175	SCREW - 10-32 X 7/8	4
8	014713	WASHER - .203 I.D. X .750 O.D. X .062	4
9	192044	BUSHING - Flanged, Nylon	4
10	012482	PAD - Shuttle Valve	1
11	025195	SHUTTLE VALVE ASSEMBLY	1
12	001609	SCREW - 10-32 X 5/16	2
13	012489	COVER - Shuttle Valve	1
15	192214	SPRING - Tension, .312 O.D. X 3.203 O.A.L. X .035	2
16	014215	SCREW - 10-32 X 3.8	4
17	021861	WASHER - .196 I.D. X .437 O.D. X .047	4
18	001706	WASHER - #10	4
19	025543	SOLENOID - 115 V.A.C. 50/60 Hz.	1
21	100442	RING - Retaining, Vinyl, .100 I.D. X .070	2
22	192213	PIN - Solenoid, 3/16 O.D. X 2.125	1
23	012465	PLUNGER - Shuttle Valve	1
24	111034	SCREW - 8-32 X 3/8	3
25	001606	SCREW - 8-32 X 3/8	3
26	025445	PLATE END - Shuttle Valve	1
27	012467	GASKET - End Plate Shuttle Valve	1
28	012461	SHUTTLE VALVE BODY	1
29	251157	GROMMET - Mounting, Bracket Shuttle Valve	1
30	012468	BRACKET - Mounting, Shuttle Valve	1
31	016897	AIR AND VACUUM VALVE ASSEMBLY	2
32	013010	VALVE - Air and Vacuum	1
33	080481	SPRING - Compression, .400 O.D. X 2.437 O.A.L. X .059 ...	1
34	013007	VALVE SPOOL - Valve Body	1
35	013434	VALVE BODY - Air and Vacuum	1
36	016898	VALVE - Air and Vacuum	1
37	001980	PIN - Roll, .103 O.D. X .515	1
40	191473	NUT - 9/16-18 (Nylon)	2
41	021911	WASHER - .578 I.D. X .875 O.D. X .031	2

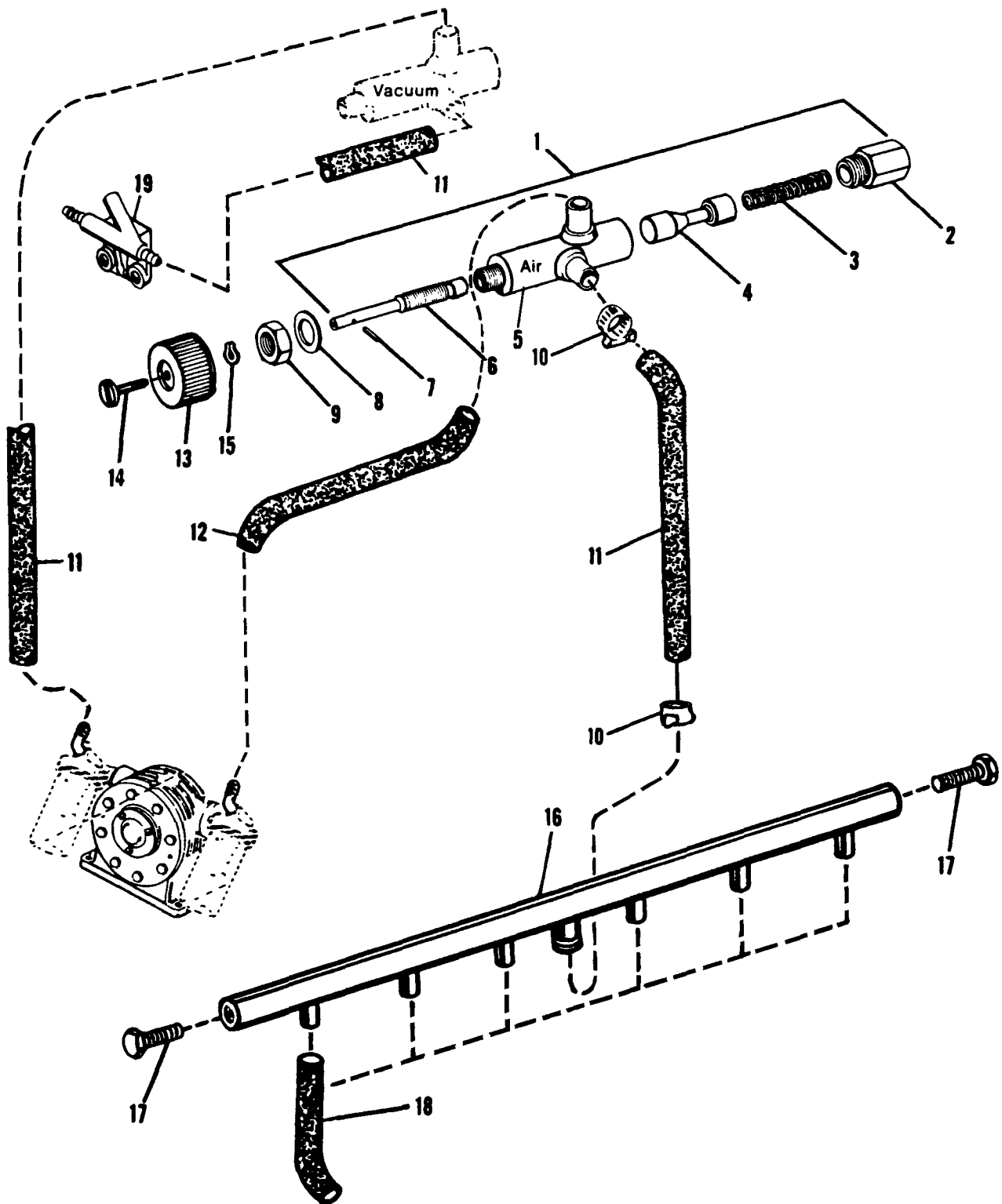


FIGURE 68A - MODEL 9870
Air and Vacuum Valve Assembly

parts catalog

Index No.	Part No.	MODEL 9870 - Figure 68A Description	Units Per Assy.
1	016897	AIR AND VACUUM VALVE ASSEMBLY	2
2	013010	PLUG - Air and Vacuum	1
3	080481	SPRING - Compression, .400 O.D. x 2.437 O.A.L.	1
4	013007	VALVE SPOOL - Valve Body	1
5	013434	VALVE BODY - Air and Vacuum	1
6	016898	SHAFT - Air and Vacuum	1
7	001990	PIN - Roll, .131 O.D. x .485 O.A.L.	1
8	021911	WASHER - .578 I.D. x .875 O.D.	2
9	191473	NUT - Nylon	2
10	072741	CLAMP - Hose	6
11	072257	HOSE - 18.000 O.A.L.	3
12	072256	HOSE - 35.000 O.A.L.	3
13	017735	KNOB - Air and Vacuum	2
14	196246	SCREW - Dowel, 1/4-28	2
15	039642	RING - Vinyl, .135 I.D.	1
16	007672	HEADER ASSEMBLY	1
17	111073	SCREW - 1/4-28 x 5/8	2
18	195197	TUBING - 5/16 I.D. x .469 O.D. x 6-3/8 O.A.L.	6
19	076142	VALVE - Vacuum	1

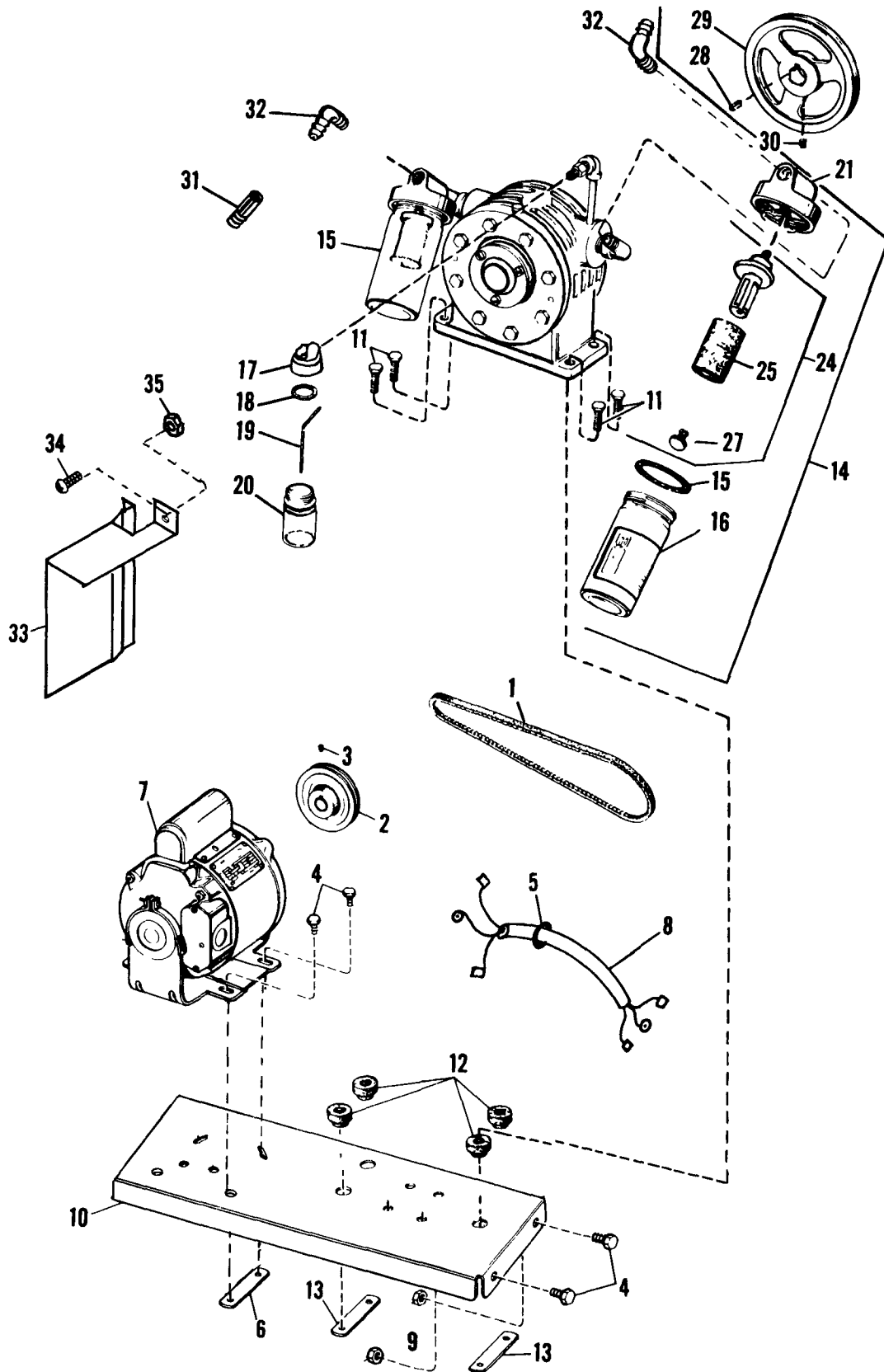


FIGURE 69 - MODEL 9865/9869
Compressor Assembly

parts catalog...

Index No.	Part No.	MODEL 9865/9869 - Figure 69 Description	Units Per Assy.
4	111089	BOLT - Motor Mounting, 5/16-18 x 5/8	8
5	041821	STRAIN RELIEF	1
6	025496	NUT PLATE	2
7	025353	MOTOR ASSEMBLY - Pump, 100/230V. 50/60HZ.	1
8	025354	CORD - Motor, 115V.	1
9	150087	NUT - 5/16-24	4
10	008029	BASE - Pump	1
11	014121	BOLT - 3/8-24 X 1-1/2	4
12	072840	GROMMET	4
13	072838	NUT PLATE	2
14	072821	COMPRESSOR ASSEMBLY	1
15	072261	GASKET	2
16	072852	BOTTLE	2
17	072262	COVER	1
18	072260	GASKET	1
19	072264	WICK	1
20	072854	BOTTLE	1
21	072161	COVER	1
22	072919	VANE - (Not Illustrated)	4
23	072920	GASKET - (Not Illustrated)	2
24	072265	FILTER ASSEMBLY	2
25	072855	FILTER	2
27	100940	PLUG	1
28	190398	KEY	1
29	072822	PULLEY - Pump	1
30	001523	SCREW - Set, 5/16-18 x 3/8	1
31	073417	ADAPTER - Tube	2
32	072826	ELBOW - 90°	2
33	025194	GUARD	1
34	001586	SCREW - 8-32 X 5/16	3
35	014811	NUT - 8-32	3
FOR ALL VOLTAGES			
1	054479	BELT - Compressor, (3L340) 34" 60 Hz.	1
1	195177	BELT - Compressor, (3L350) 35" 50 Hz.	1
2	018571	PULLEY ASSEMBLY - 4" 60 Hz.	1
2	195149	PULLEY ASSEMBLY - 4.5" 50 Hz.	1
3	101887	SCREW - Set Dog Point, 5/16-18 X 5/8	1

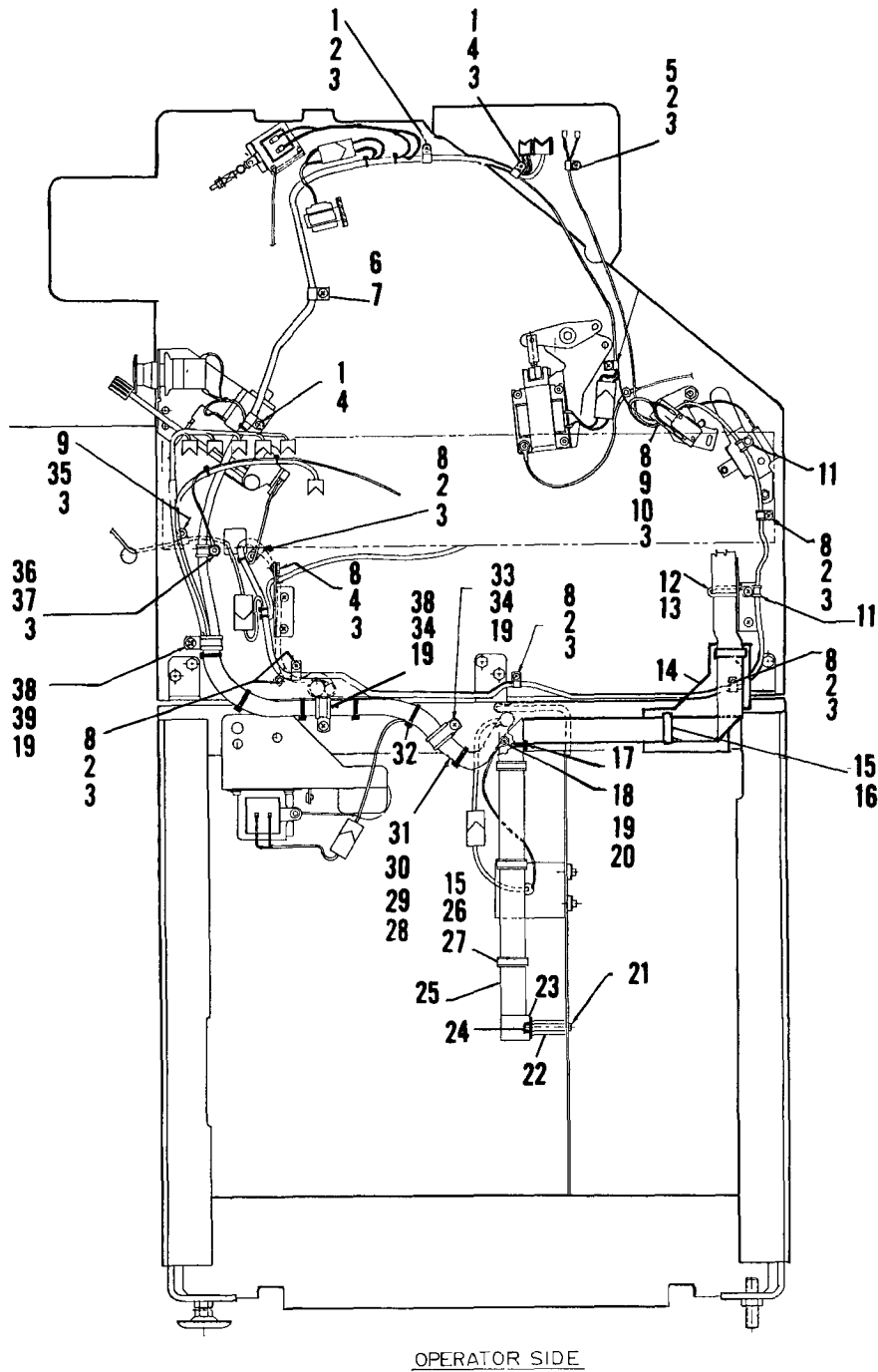
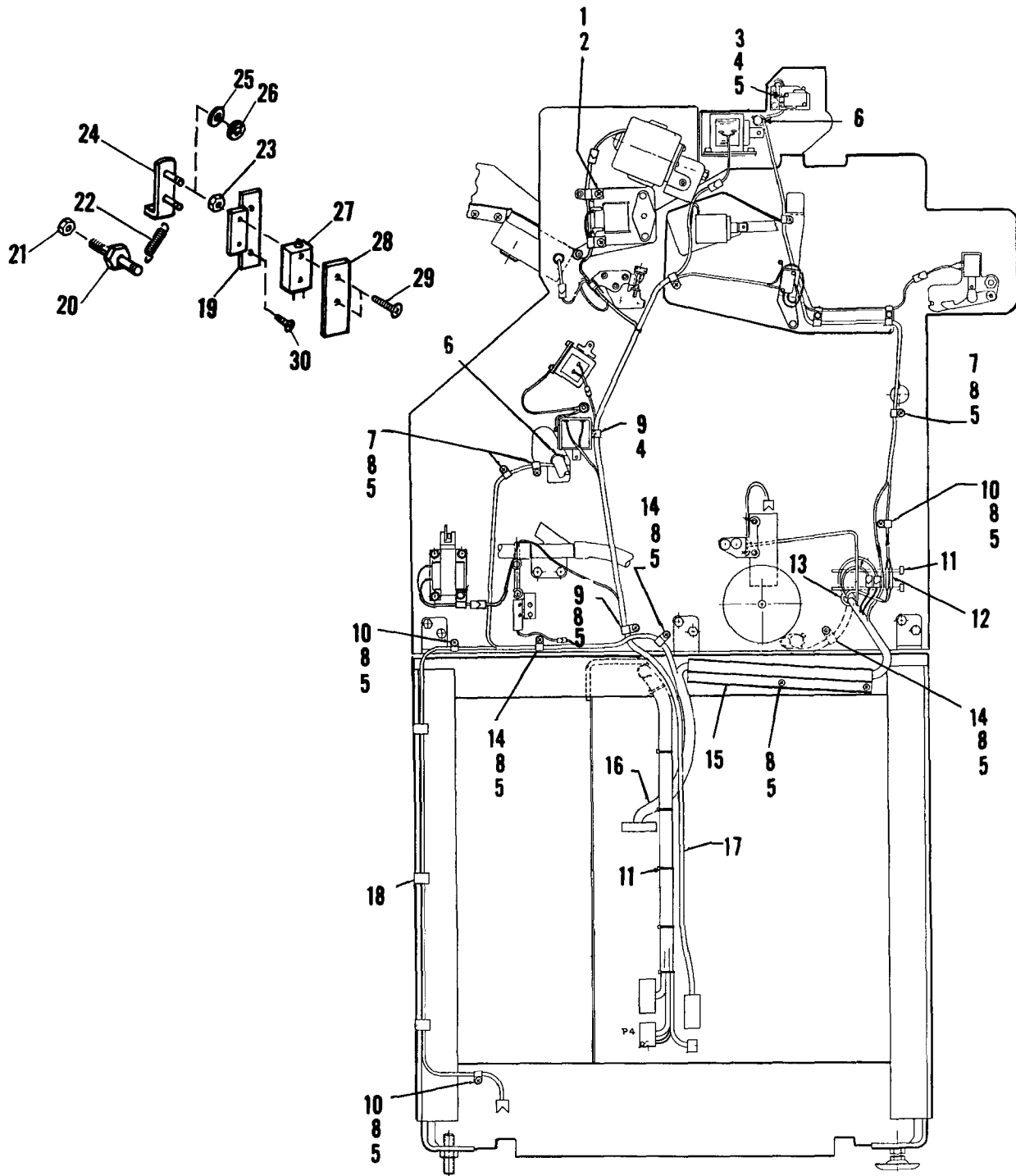


FIGURE 70 - MODEL 9865/9869
Wire Harnesses - O.S.

parts catalog...

Index No.	Part No.	MODEL 9865/9869 - Figure 70 Description	Units Per Assy.
1	250204	CLAMP - Cable, 5/16"	3
2	100134	SCREW - 8-32 X 1/2	8
3	014811	NUT - 8-32	14
4	001586	SCREW - 8-32 X 5/16	3
5	250202	CLAMP - Cable, 1/8"	1
6	065329	CLAMP - Cable, 5/16"	1
7	001588	SCREW - 10-32 X 1/4	1
8	250203	CLAMP - Cable, 1/4"	8
9	250205	CLAMP - Cable, 3/16"	2
10	001552	SCREW - 8-32 X 3/8	1
11	100960	CLAMP - Tube, 1/4"	2
12	017589	GUIDE - Harness	1
13	100228	NUT - 4-40	1
14	025392	PLATE ASSEMBLY - Backing	1
15	252842	CLAMP - Cable	11
16	001590	SCREW - Flat Head, 6-32 X 1/4	2
17	250077	TIE - Cable, 3-7/8" O.A.L.	14
18	001555	SCREW - 10-32 X 1/2	1
19	014808	NUT - 10-32	4
20	025389	STRIP - Backup Cable (15" O.A.L.)	1
21	111052	SCREW - 10-32 X 3/8	2
22	195147	SPACER - 1.380 O.A.L.	2
23	025390	STRIP - Backup Cable (19" O.A.L.)	1
24	001690	SCREW - 10-32 X 5/16	2
25	025329	RIBBON CABLE - Control Box to Control Panel	1
26	100347	SCREW - Flat Head, 6-32 X 3/8	9
27	014812	NUT - 6-32	10
28	025527	CABLE ASSEMBLY - 90" (M-9865/69)	1
28	022836	CABLE ASSEMBLY - Aqua. Ext. (P63) 105-1/2" (M-9870)	1
29	025305	HARNESS - Manual Switch, (P3) (M-9865/69)	1
29	022822	CABLE ASSEMBLY - O.S. (P3) To (J56, J57 & P61) (M-9870)	1
30	025302	CABLE ASSEMBLY - Motor Speed Control	1
31	025300	HARNESS - A.C., Operator Side, (P4) (M-9865/69)	1
31	022823	CABLE ASM. - A.C. O.S. (P4) To (J62, J64 & J55) ... (M-9870)	1
32	250493	TIE - Cable, 7-1/4" O.A.L.	6
33	075443	CLAMP - Tube, 7/8"	1
34	100593	SCREW - 10-32 X 9/16	1
35	001611	SCREW - 8-32 X 5/8	1
36	251340	CLAMP - Tube, 7/16"	1
37	014359	SCREW - Lock, 8-32 X 5/8	1
38	253599	CLAMP - Tube, 11/16"	2
39	014203	SCREW - 10-32 X 5/8	1



NON-OPERATOR SIDE

FIGURE 71 - MODEL 9865/9869
Wire Harnesses - N.O.S.

parts catalog...

Index No.	Part No.	MODEL 9865/9869 - Figure 71 Description	Units Per Assy.
1	079764	CLAMP - Cable, 3/16"	2
2	001588	SCREW - 10-32 X 1/4	2
3	250203	CLAMP - Cable, 1/4"	1
4	001586	SCREW - 8-32 X 5/16	2
5	014811	NUT - 8-32	12
6	250077	TIE - Cable, 3-7/8" O.A.L.	2
7	250202	CLAMP - Cable, 1/8"	3
8	100134	SCREW - 8-32 X 1/2	12
9	250098	CLAMP - Cable, 3/8"	2
10	250205	CLAMP - Cable, 3/16	3
11	250493	TIE - Cable, 7-1/4" O.A.L.	8
12	251195	CONNECTOR - Line Splice, .187 Tab	2
13	253600	BUSHING - 3/4" O.D.	1
14	250204	CLAMP - Cable, 5/16"	3
15	025391	COVER - Cable	1
16	025303	HARNESS - Digital Logic/Guard Sw. (P205) (M-9865/69)	1
16	022826	HARNESS - Digital Logic/Guard Sw. (P205)	1
17	025301	HARNESS - A.C. N.O.S. (P2)	1
18	025160	CLIP - Wire	3
19	087756	PLATE - Switch	1
20	072412	PIN - Spring	1
21	014808	NUT - 10-32	1
22	064673	SPRING - Tension, 1/4 O.D. x 1-37/64 O.A.L.	1
23	100137	NUT - 2-56	2
24	016918	BRACKET ASSEMBLY	1
25	006675	WASHER - Flat, .252 I.D. x .500 O.D. x .021	2
26	001060	RING - Retaining, .208 I.D.	2
27	250806	SWITCH - Magnetic, Reed	1
28	196330	SHIELD - Terminal	1
29	110002	SCREW - 2-56 x 5/16	2
30	001552	SCREW - 8-32 x 3/8	2

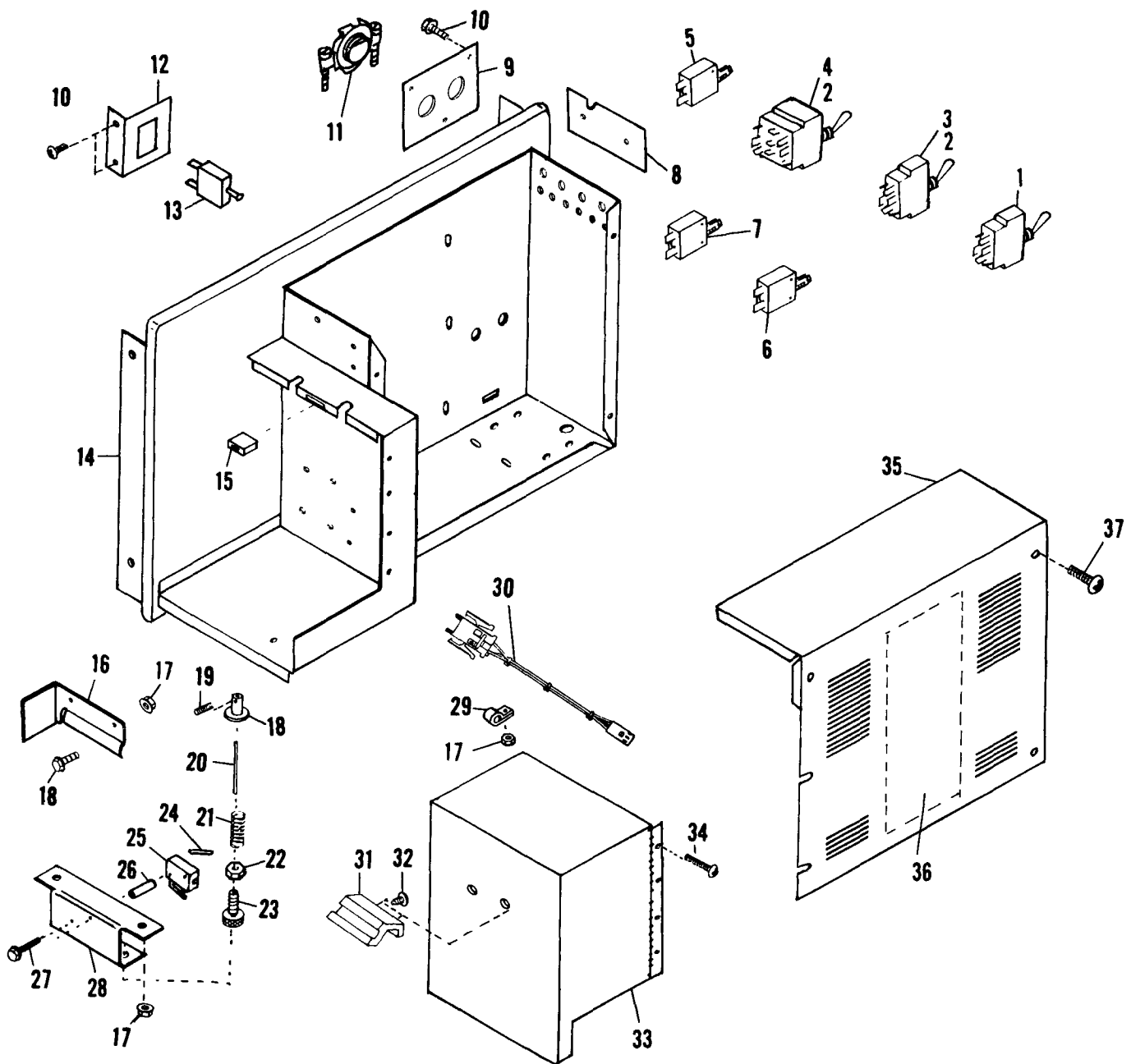


FIGURE 72 - MODEL 9865/9869
Control Box and Cover

parts catalog

Index No.	Part No.	MODEL 9865/9869 - Figure 72 Description	Units Per Assy.
0	025020	CONTROL BOX ASSEMBLY - M-9869	1
0	025024	CONTROL BOX ASSEMBLY - M-9865	1
0	022720	CONTROL BOX ASSEMBLY - M-9870	1
1	253005	SWITCH - Toggle, DPST.	1
2	253691	PLUG - Hole, 15/32 Dia. M-9865	2
3	253477	SWITCH - Toggle, DPDT. M9869	1
4	253370	SWITCH - Toggle, 3PDT. M-9869	1
5	253543	CIRCUIT BREAKER - 4.0 Amp.	1
6	253542	CIRCUIT BREAKER - 2.5 Amp.	2
7	252538	CIRCUIT BREAKER - 10.0 Amp.	4
8	025293	DECAL - Control Box, M-9869	1
8	025410	DECAL - Control Box, M-9865 & 9870	1
9	025161	PLATE ASSEMBLY - Cord Mounting	1
10	111033	SCREW - 8-32 X 5/16	5
11	101374	CONNECTOR - Box, 1/2"	3
12	025163	BRACKET ASSEMBLY - Bypass Switch	1
13	250952	SWITCH - Push-Pull, Bypass	1
14	087729	COVER AND CONTROL BOX ASSEMBLY - M-9865/69	1
14	022805	COVER & CONTROL BOX ASM. - (Not Illustrated) ... (M-9870)	1
15	101112	CATCH - Magnetic	1
16	025292	LOCATOR - Con	1
17	150081	NUT - 8-32	5
18	001552	SCREW - 8-32 X 3/8	2
19	014249	SCREW - Set, 6-32 X 3/16	1
20	195133	ROD - Detector	1
21	195134	SPRING - Compression, .250 O.D. X 1.250 O.A.L.	1
22	001854	NUT - 3/8-16	1
23	025291	SCREW - Adjusting	1
24	190555	NUT PLATE - 4-40	1
25	253218	SWITCH - Hall Effect	1
26	195132	SPACER - .362 O.A.L.	2
27	111011	SCREW - 4-40 X 1-1/8	2
28	025289	BRACKET - Switch	1
29	250203	CLAMP - Cable, 1/4"	1
30	025372	HARNESS ASSEMBLY - Low Blanket Wash	1
31	025174	HANDLE - Door	1
32	001289	SCREW - 8-32 X 1/4	2
33	025282	DOOR ASSEMBLY	1
34	001221	SCREW - 6-32 X 1/4	4
35	025450	COVER ASSEMBLY	1
36	025399	DECAL - Wiring Diagram	1
37	001693	SCREW - 8-32 X 1/4	7

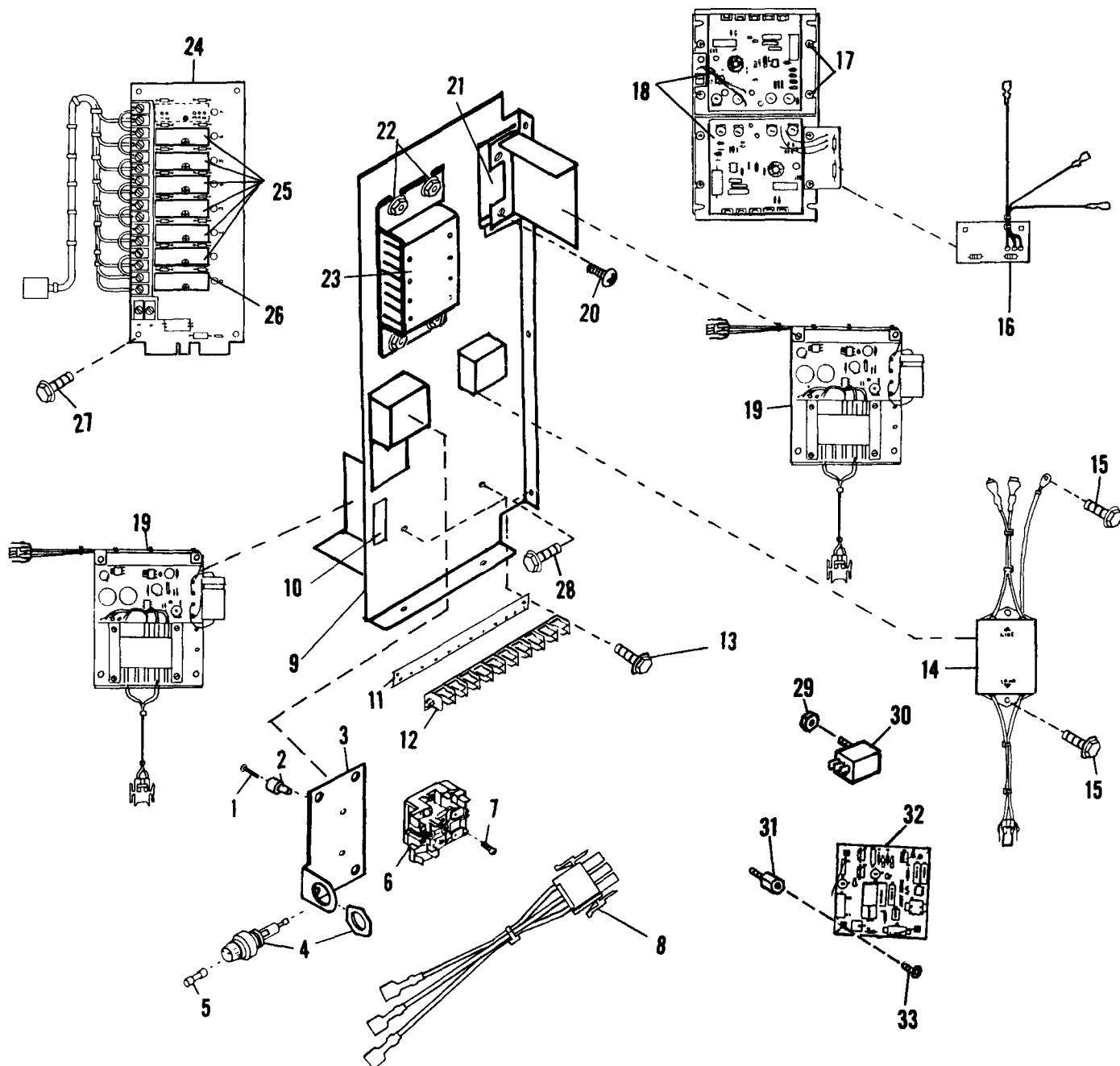


FIGURE 73 - MODEL 9865/9869
Control Box Divider Assembly

parts catalog...

Index No.	Part No.	MODEL 9865/9869 - Figure 73 Description	Units Per Assy.
1	001525	SCREW - #6-20 X 1/2	4
2	083412	STANDOFF - .250 High	4
3	025425	PLATE ASSEMBLY - Mounting	1
4	253655	FUSEHOLDER ASSEMBLY	1
5	253656	FUSE - 4.0 Amp. SLO-BLO	1
6	253654	RELAY - DPDT., 120 VAC.	1
7	001565	SCREW - 8-32 X 9/16	2
8	025441	HARNESS - Relay, (M-9865/69)	1
8	022817	HARNESS - E2 POT To Speed Control (M-9870)	1
9	025151	DIVIDER ASSEMBLY - Control Box M-9869	1
9	025456	DIVIDER ASSEMBLY - Control Box M-9865	1
9	022803	DIVIDER ASSEMBLY - Control Box (M-9870)	1
10	025448	LABEL - Fuse. (4.0 AMP)	1
11	025295	MARKER - Terminal Strip	1
12	253546	STRIP - Terminal Strip	1
13	111036	SCREW - 8-32 X 1/2	2
14	025154	FILTER ASSEMBLY - EMI.	1
15	111033	SCREW - 8-32 X 5/16	3
16	025361	PC BOARD ASSEMBLY - Emergency Drive/Speed Set	1
17	100939	SCREW - 6-32 X 5/8 M-9869	8
17	101398	SCREW - 6-32 X 1/2 M-9865	4
18	083388	SPEED CONTROL - Leeson (M-9869 S/N 150 & Below)	2
18	083168	RESISTOR ASM. - Used On 083388 Spd Ctl (Not Illustrated).	1
18	253726	SPEED CONTROL - KB (M-9869 S/N 151 & Above) M-9865 & 9870.	2
19	025153	POWER SUPPLY ASSEMBLY - 5 V. M-9869	2
19	025476	POWER SUPPLY ASSEMBLY - 5 V. M-9865 & 9870	1
20	001586	SCREW - 8-32 X 5/16	4
21	025157	INSULATOR	2
22	111051	SCREW - 10-32 X 5/16	2
23	025156	HEAT SINK	1
24	025158	PC BOARD ASSEMBLY - S.S.R. CARD #2	1
25	253491	RELAY - Solid State, A.C. Output Buffered	6
26	253492	RELAY - Solid-State, I/O	1
27	111035	SCREW - 8-32 X 7/16	3
28	100683	SCREW - 8-32 X 3/8	5
29	014812	NUT - 6-32	1
30	025481	RELAY ASSEMBLY - 4PDT. K4	1
31	101978	STANDOFF - 6-32 x 3/8	4
32	022814	PC BOARD ASSEMBLY - Digital Speed Control	1
33	001541	SCREW - 6-32 x 1/4	4

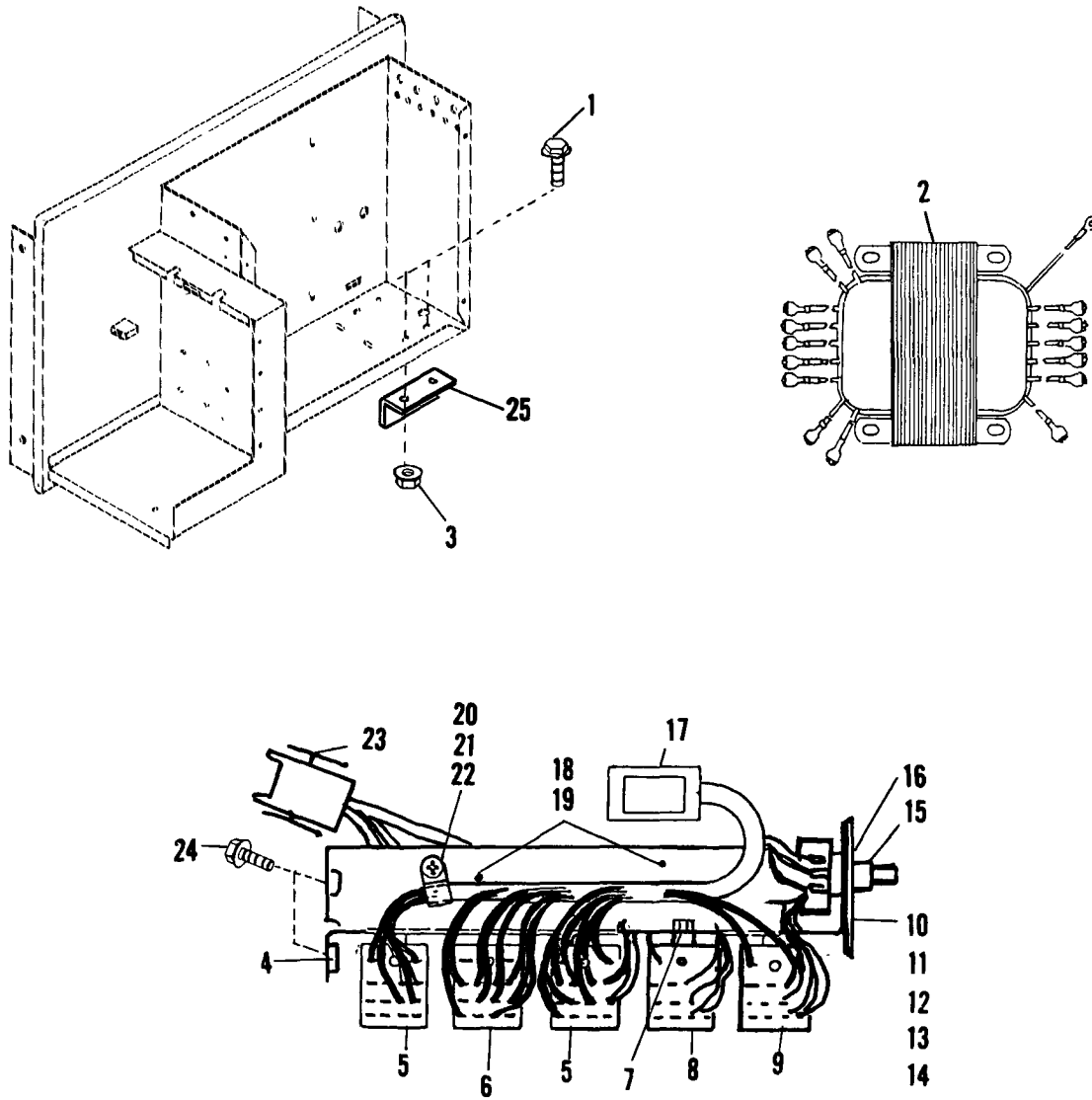


FIGURE 74 - MODEL 9865/9869
Control Box Relay Bracket

parts catalog...

Index No.	Part No.	MODEL 9865/9869 - Figure 74 Description	Units Per Assy.
1	111073	SCREW - 1/4-28 X 5/8	4
2	025337	TRANSFORMER ASSEMBLY	1
3	014807	NUT - 1/4-28	4
4	025166	BRACKET ASSEMBLY - Relay	1
5	253468	RELAY - 4PDT. (K3 & K5)	2
6	025481	RELAY ASSEMBLY - 4PDT. (K4)	1
7	014812	NUT - 6-32	5
8	025480	RELAY ASSEMBLY - 4PDT. (K2)	1
9	253467	RELAY - 4PDT. (K1).....	1
10	025532	PC BOARD ASSEMBLY - Inch Speed Control	1
11	025531	INSULATOR	1
12	025530	BEARING - Panel	1
13	001755	WASHER - Plain, .385 I.D. X 5/8 O.D. X .048	1
14	100835	WASHER - Lock, 3/8 I.D.	1
15	025332	POTENTIOMETER ASSEMBLY - Inch and Load	1
16	025168	DECAL - Inch and Load	1
17	025308	HARNESS - A.C. Relay Bracket, M-9869 (P9)	1
17	025421	HARNESS - A.C. Relay Bracket, M-9865 (P9)	1
18	250204	CLAMP - Cable, 5/16".....	1
19	111033	SCREW - 8-32 X 5/16	2
20	250205	CLAMP - Cable, 3/16"	1
21	110035	SCREW - 8-32 X 7/16	1
22	253577	SPACER - Nylon, 1/4 O.D. X 3/4 O.A.L.	1
23	025309	HARNESS - D.C., Relay Bracket (P10)	1
24	100683	SCREW - 8-32 X 3/8	2
25	025512	GUARD - Power Cord	1

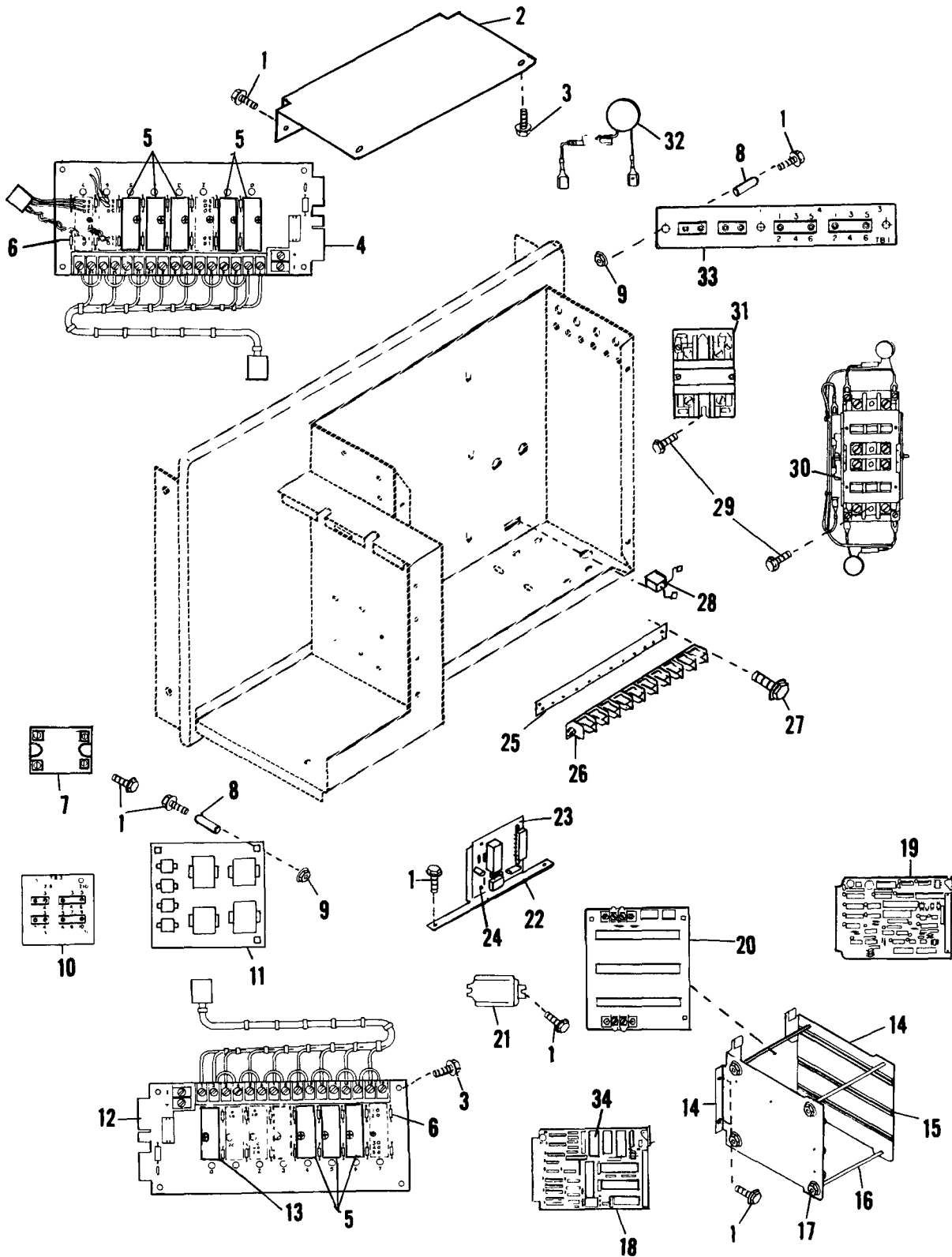


FIGURE 75 - MODEL 9865/9869
Control Box P.C.Boards

parts catalog...

Index No.	Part No.	MODEL 9865/9869 - Figure 75 Description	Units Per Assy.
1	111033	SCREW - 8-32 X 5/16	21
2	025286	PLATE - Mounting, PC Board	1
3	110035	SCREW - 8-32 X 7/16	6
4	025365	PC BOARD ASSEMBLY - S.S.R. Card #3	1
5	253491	RELAY - Solid-State, AC. Output Buffered	5
6	253718	FUSE - Subminiature 5 Amp	8
7	253495	RELAY - Solid-State	1
8	195014	STANDOFF - .312 O.D. X 1/2 O.A.L.	11
9	001563	SCREW - 8-32 X 3/16	11
10	025296	TERMINAL BOARD - TB3	1
11	008160	PC BOARD ASSEMBLY - Junction	1
12	025367	PC BOARD ASSEMBLY - S.S.R. Card #1 (M-9865/69)	1
12	022752	PC BOARD ASSEMBLY - S.S.R. Card #1	1
13	253492	RELAY - Solid-State, I/O	1
14	025171	PLATE ASSEMBLY - Side, Card Cage	2
15	253544	GUIDE - Card	6
16	025173	TIE BAR - Card Cage	4
17	111034	SCREW - 8-32 X 3/8	8
18	025670	PC BOARD ASSEMBLY - 6809 Processor, (M-9865/69)	1
18	022814	PC BOARD ASSEMBLY - 6809 Processor	1
19	008154	PC BOARD ASSEMBLY - Interface, (M-9865/69)	1
19	022813	PC BOARD ASSEMBLY - Interface	1
20	008150	PC BOARD ASSEMBLY - Mother Board	1
21	253504	RELAY - 2PDT, 120 VAC.	1
22	083748	PLATE - Mounting, PC Board	1
23	025538	PC BOARD - 60 Hz. Voltage Monitor	1
23	025539	PC BOARD - 50 Hz. Voltage Monitor	1
24	001548	SCREW - 6-32 X 3/8	4
25	025295	MARKER - Terminal Strip	2
26	253546	STRIP - Terminal, 10 CKT	2
27	111036	SCREW - 8-32 X 1/2	4
28	079613	RECEPTACLE ASSEMBLY - 115 V.	1
29	111051	SCREW - 10-32 X 5/16	4
30	025453	CONTACTOR ASSEMBLY	1
31	253537	RELAY - DPST, 120 VAC. Contactor	1
32	025455	CAPACITOR ASSEMBLY	1
33	025298	TERMINAL BOARD - TB3	1
34	025671	PROM - Display, English, German, Japanese & Dutch M-9865/69	1
34	025676	PROM - Display, English, French & Spanish M-9865/69	1
34	022820	PROM - Display, English, German, Japanese & Dutch (M-9870)	1
34	022846	PROM - Display, English, French & Spanish (M-9870)	1

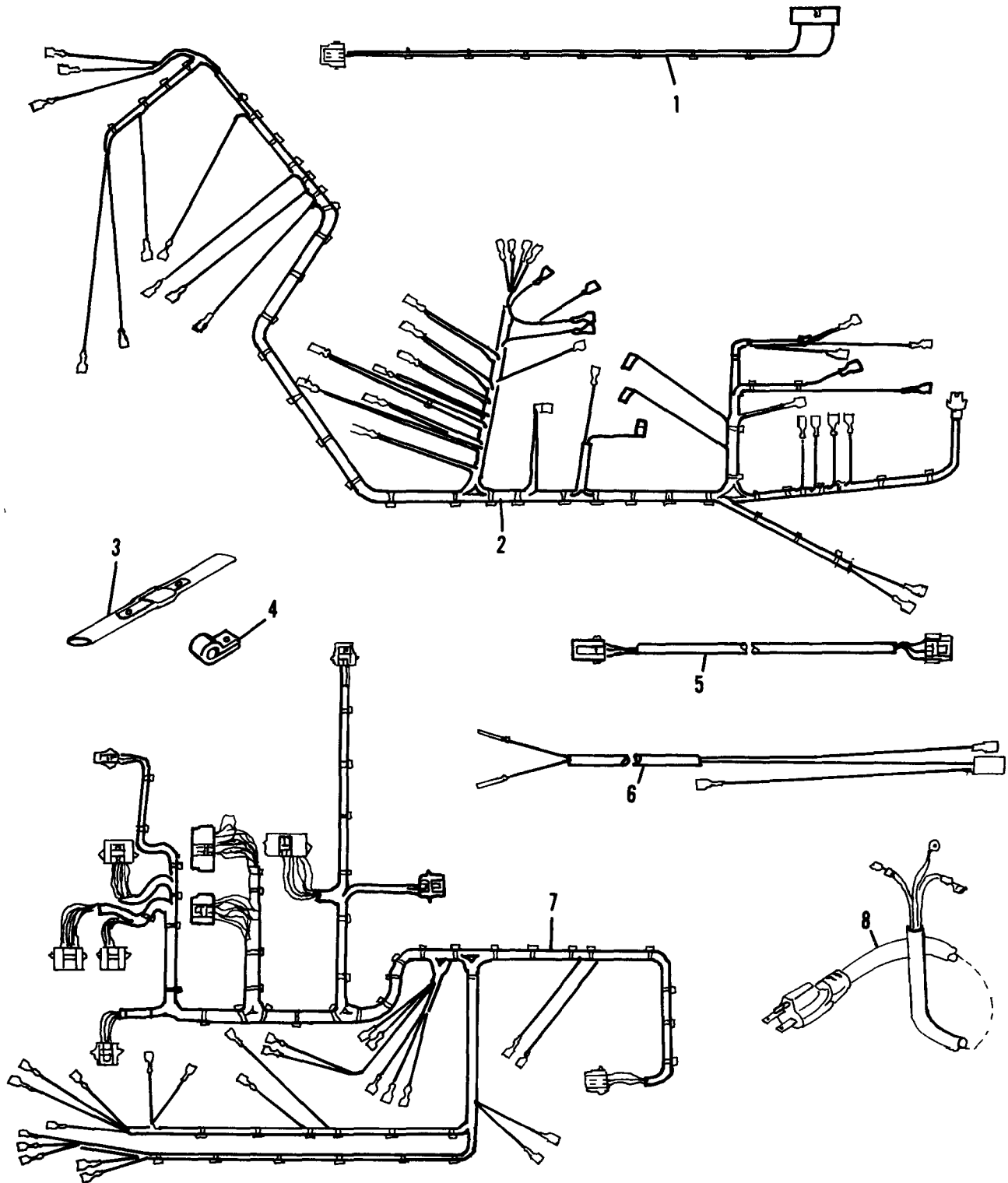


FIGURE 76 - MODEL 9865/9869
Control Box Harnesses - Part I

parts catalog...

Index No.	Part No.	MODEL 9865/9869 - Figure 76 Description	Units Per Assy.
1	025479	HARNESS - Sorter/Tray Interface (9865)	1
2	025478	HARNESS - A.C. 230 V. (M-9865)	1
2	025310	HARNESS - A.C. 230 V. (M-9869)	1
2	022810	HARNESS - A.C. 230 V. (M-9870)	1
3	250177	CONNECTOR - Line Splice, 1/4 Tab.	2
4	250202	CLAMP - Cable, 1/8" (M-9870)	2
4	250203	CLAMP - Cable, 1/4"	10
4	250204	CLAMP - Cable, 5/16"	13
4	250273	CLAMP - Cable, 7/16"	2
4	250206	CLAMP - Cable, 1/2"	1
5	025315	CABLE - Power, Mother Board Relay	1
6	025529	CABLE - Lurchless Inching	1
7	025419	HARNESS - 115 VAC. Unfiltered, (M-9865)	1
7	025311	HARNESS - 115 VAC. Unfiltered, (M-9869)	1
7	022800	HARNESS - 115 VAC. Unfiltered (M-9870)	1
8	025396	POWER CORD - 250 V. 15 Amp.	1

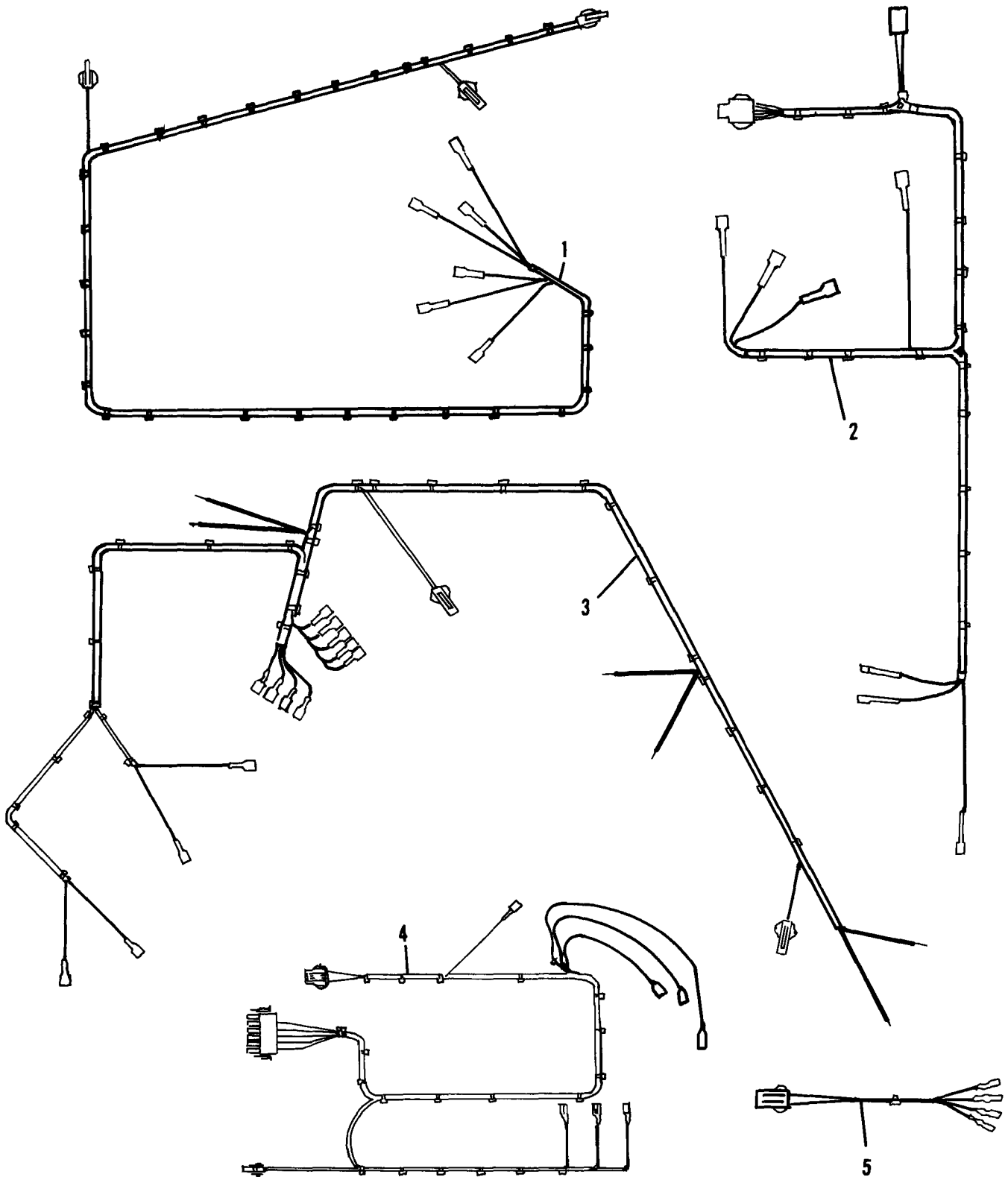


FIGURE 77 - MODEL 9865/9869
Control Box Harnesses - Part II

parts catalog

Index No.	Part No.	MODEL 9865/9869 - Figure 77 Description	Units Per Assy.
1	025312	HARNESS - 115 VAC. Filtered (M-9869)	1
2	025314	HARNESS - D.C. Interface	1
3	025420	HARNESS - +5 VDC. Distribution (M-9865).....	1
3	025316	HARNESS - +5 VDC. Distribution (M-9869)	1
3	022812	HARNESS - Low Voltage, (Not Illustrated) (M-9870)	1
4	025545	HARNESS - Motor Voltage Monitor (P91)	1
5	025544	HARNESS - K5 Extension, Voltage Monitor	1
6	025499	CABLE ASM. - 9865 To 169 D For M-1800 (Not Illustrated)....	1

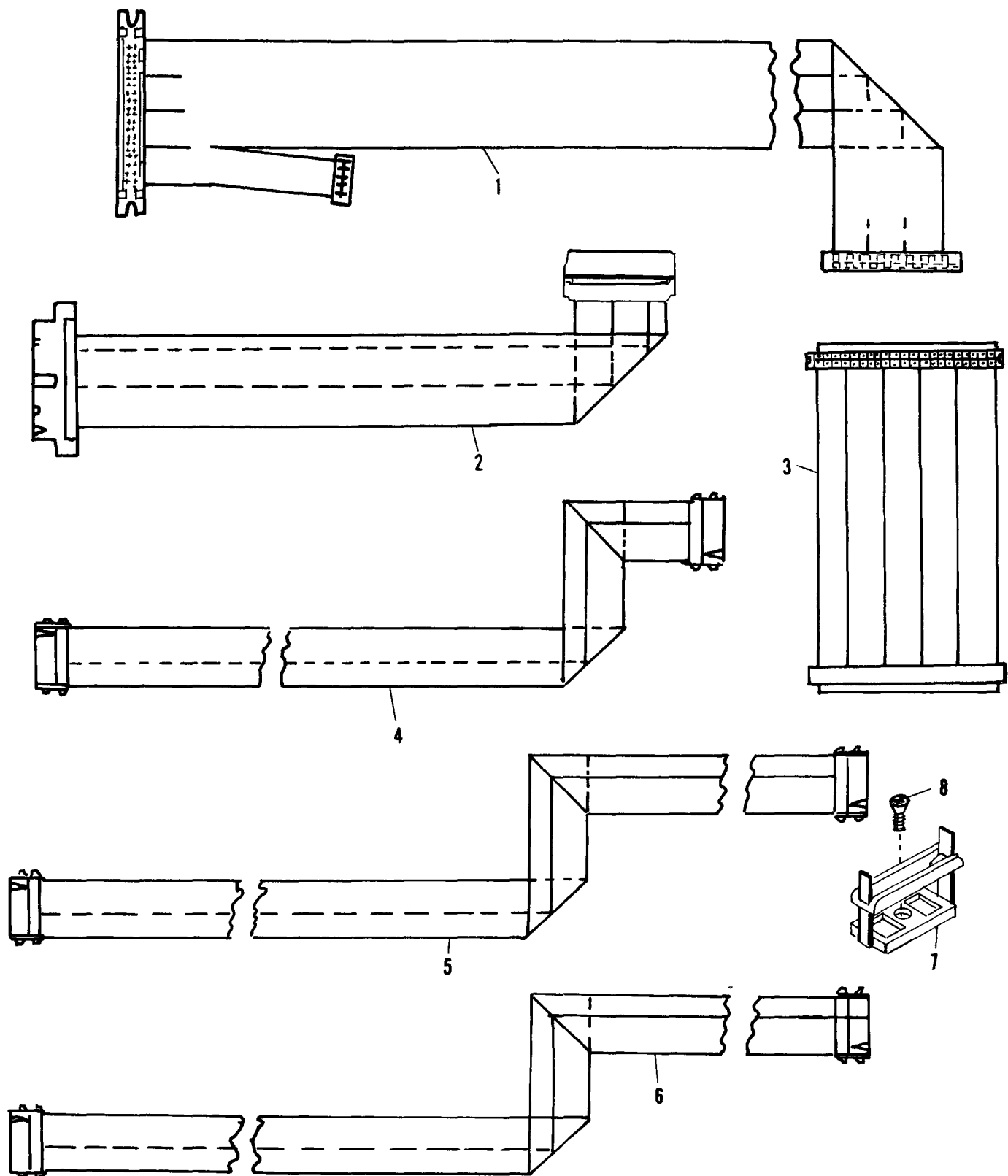


FIGURE 78 - MODEL 9865/9869
Control Box Ribbon Cables

parts catalog

Index No.	Part No.	MODEL 9865/9869 - Figure 78 Description	Units Per Assy.
1	025317	CABLE - Ribbon, J21 To Interface PCB & MB.	1
2	025319	CABLE - Ribbon, J20 To Interface PCB.	1
3	025321	CABLE - Ribbon, Processor PCB To Interface PCB.	1
4	025322	CABLE - Ribbon, Interface PCB. To SSR Board #1 .(M-9865/69)	1
4	022801	CABLE - Interface PCB To J3 (Not Illustrated) (M-9870)	1
5	025323	CABLE - Ribbon, Interface PCB. To SSR Board #2 .(M-9865/69)	1
5	022818	CABLE - Ribbon, Interface PCB. To SSR Board (M-9870)	1
6	025324	CABLE - Ribbon, Interface PCB. To S.S.R. Board #3	1
7	252842	CLAMP - Cable, Flat	3
8	100347	SCREW - 6-32 X 3/8	3

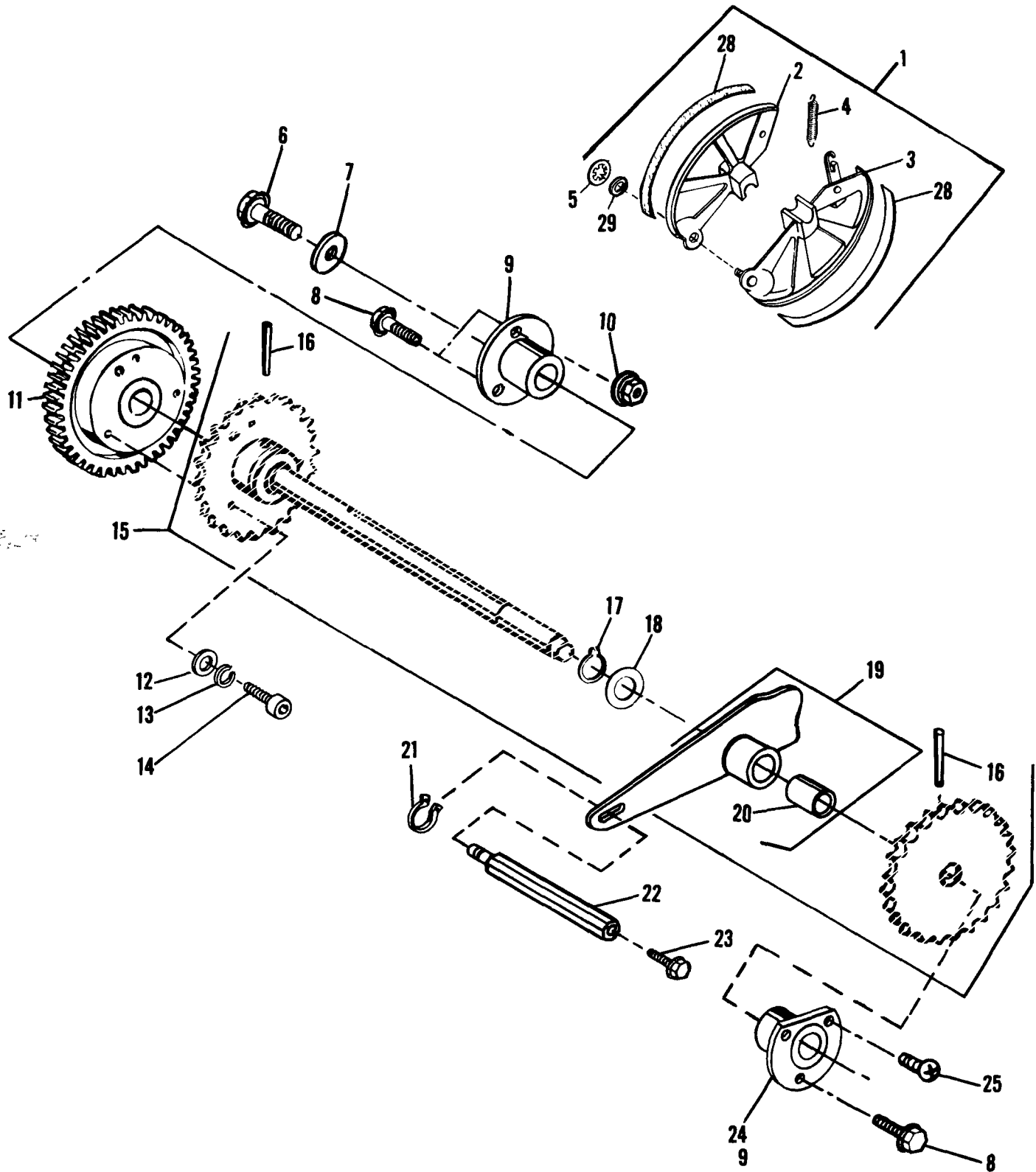


FIGURE 79 - MODEL 9865/9869
Sprocket Shaft and Paper Guides

parts catalog

Index No.	Part No.	MODEL 9865/9869 - Figure 79 Description	Units Per Assy.
1	***016384	GUIDE ASSEMBLY - Paper	2
2	016385	GUIDE ASSEMBLY - Upper	1
3	016387 16213	GUIDE ASSEMBLY - Lower	1
4	041776	SPRING - Tension, .343 O.D. x 1.375 O.A.L. x .047	1
5	196607	RING - Push - On, .246 I.D. x .037	1
6	111087	SCREW - 5/16-24 x 1/2	1
7	014784	WASHER - Plain, .328 I.D. x .812 O.D. x .092	1
8	111055	SCREW - 10-32 x 9/16	6
9	016376	BEARING	2
10	150083	NUT - 10-32	6
11	016374	GEAR - Sprocket Drive	1
12	005620	WASHER - .254 I.D. x .625 O.D. x .059	3
13	001731	WASHER - Lock, .256 I.D. x .453 O.D. x .046	3
14	014219	SCREW - Cap, 1/4-20 x 3/4	3
15	016367	SPROCKET AND SHAFT ASSEMBLY - Drive	1
16	007076	PIN - Taper, .203 O.D. x 1.268 O.A.L.	2
17	014513	RING - Retaining, .584 I.D. x .037	2
18	014761	WASHER - Plain, .628 I.D. x 1.000 O.D. x .029	2
19	016368	CAM ASSEMBLY - Gripper	1
20	014608	BUSHING - .629 I.D. x .754 O.D. x .875 O.A.L.	1
21	001046	RING - Retaining, .283 I.D. x .027	1
22	196386	STUD - Cam Support	1
23	111054	SCREW - 10-32 x 1/2	1
24	016542	BEARING - O.S. (Machines w/Doubles Detector Switch)	1
25	014327	SCREW - Flat Head, 10-32 x 1/2 (Mach. w/Doubles Det.Switch)	1
28	016429	TAPE - Non Tracking	2
29	014741	WASHER - Special, Spring	1
	***	Not Available As An Assembly	

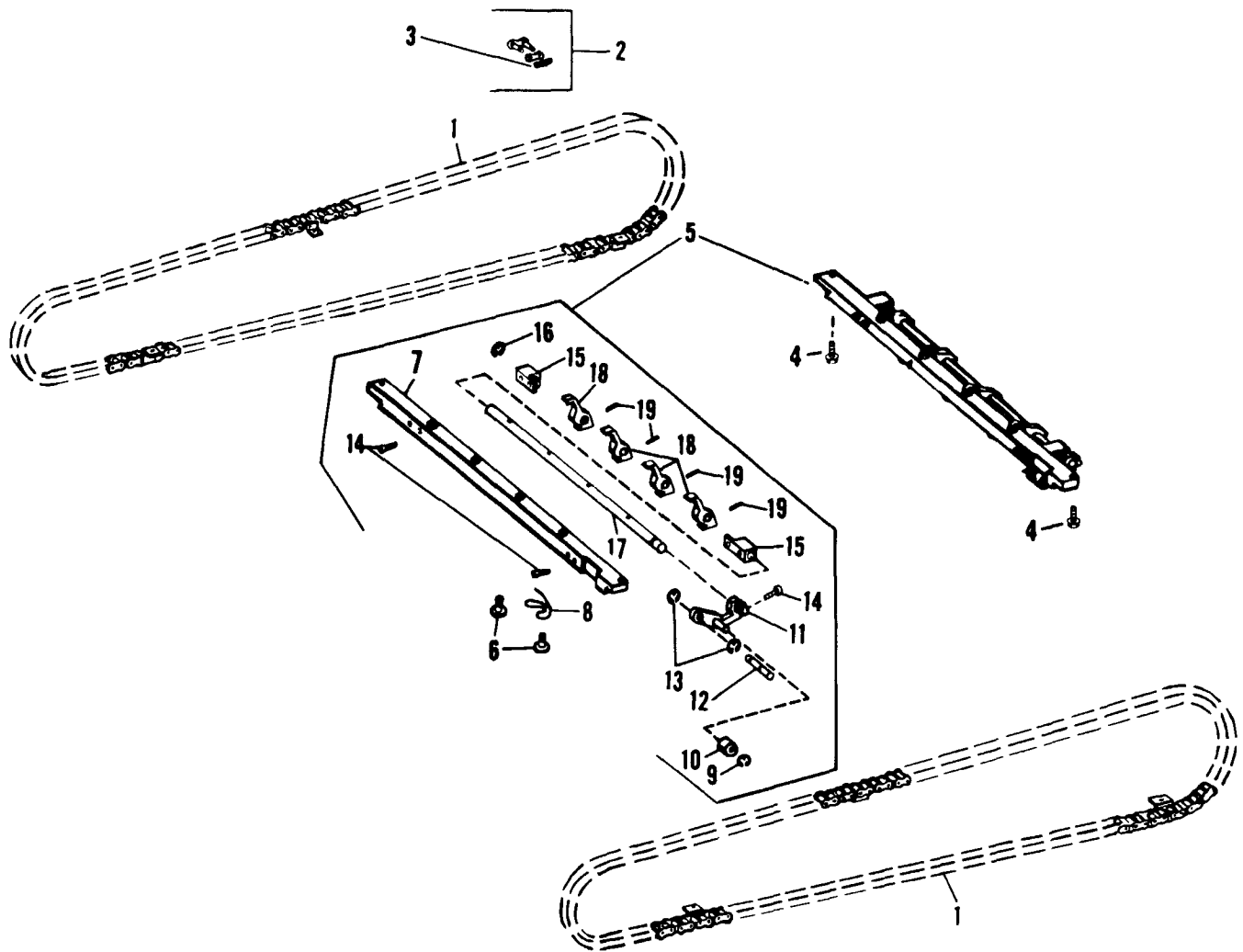


FIGURE 80 - MODEL 9865/9869
Gripper Bar and Chain Assemblies

parts catalog

Index No.	Part No.	MODEL 9865/9869 - Figure 80 Description	Units Per Assy.
1	016381	CHAIN ASSEMBLY - Gripper Bar #41	2
2	196473	LINK ASSEMBLY - Chain Coupler #41	1
4	100976	SCREW - Hex Head, NYLOK 10-32 x 5/16	6
5	016690	GRIPPER BAR ASSEMBLY	3
6	041750	SCREW - Shoulder, 8-32	2
7	016691	BAR ASSEMBLY - Gripper	1
8	007982	SPRING - Gripper Tension	2
9	001049	RING - Retaining, .227 I.D. x .027	1
10	196412	TRUCK - Cam Follower	1
11	016501	CAM FOLLOWER - Gripper	1
12	080564	STUD - Cam Follower	1
13	014504	RING - Retaining, .146 I.D. x .027	2
14	014164	SCREW - 8-32 x 7/16	5
15	081764	BEARING - Gripper Shaft	2
16	001046	RING - Retaining, .283 I.D. x .027	1
17	007727	SHAFT ASSEMBLY - Gripper	1
18	081762	GRIPPER - Paper	4
19	014576	PIN - Driv-Lok, .093 O.D. x 9/16	4

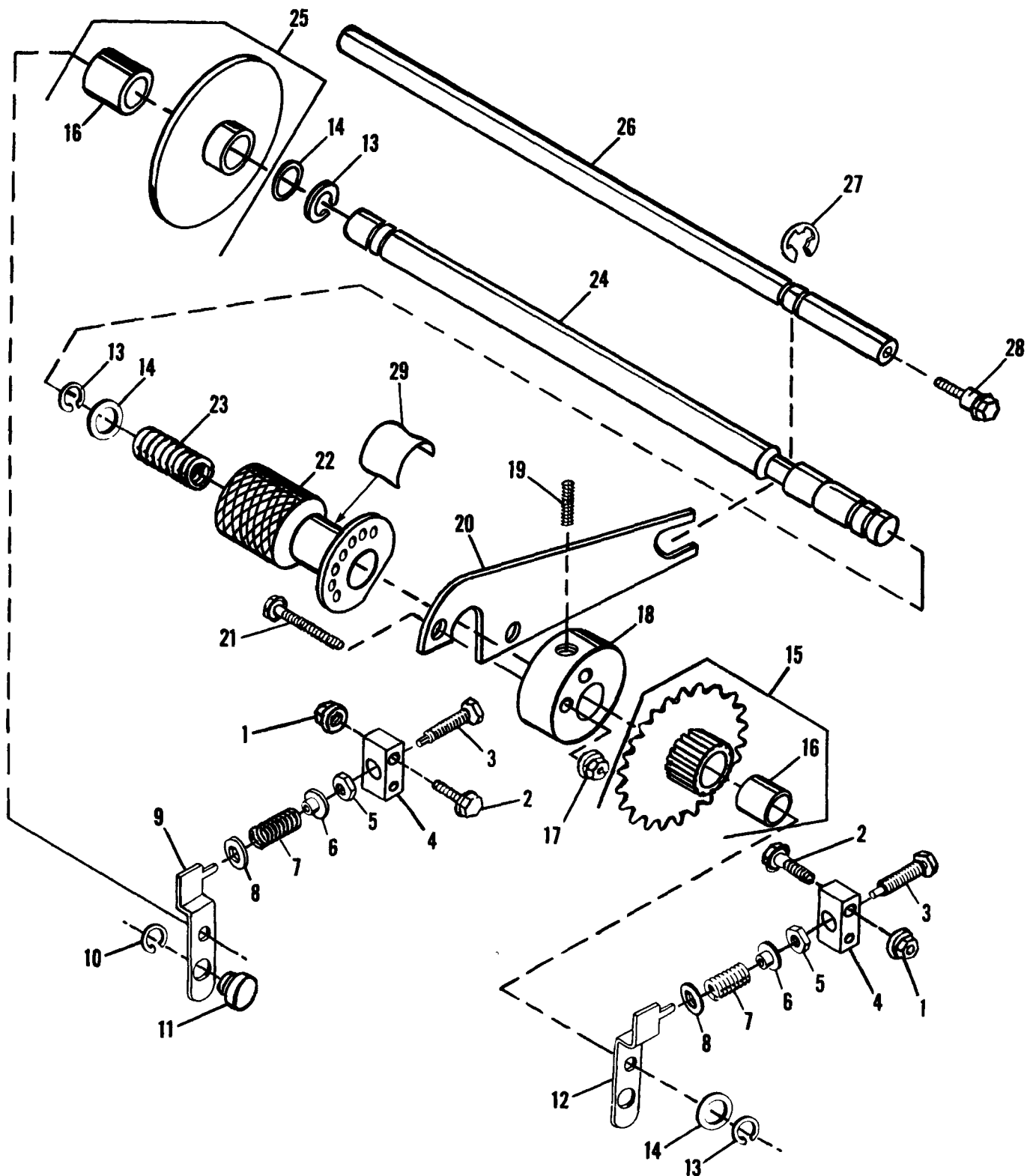


FIGURE 81 - MODEL 9865/9869
Idler Shaft Assembly

parts catalog

Index No.	Part No.	MODEL 9865/9869 - Figure 80 Description	Units Per Assy.
1	016381	CHAIN ASSEMBLY - Gripper Bar #41	2
2	196473	LINK ASSEMBLY - Chain Coupler #41	1
4	100976	SCREW - Hex Head, NYLOK 10-32 x 5/16	6
5	016690	GRIPPER BAR ASSEMBLY	3
6	041750	SCREW - Shoulder, 8-32	2
7	016691	BAR ASSEMBLY - Gripper	1
8	007982	SPRING - Gripper Tension	2
9	001049	RING - Retaining, .227 I.D. x .027	1
10	196412	TRUCK - Cam Follower	1
11	016501	CAM FOLLOWER - Gripper	1
12	080564	STUD - Cam Follower	1
13	014504	RING - Retaining, .146 I.D. x .027	2
14	014164	SCREW - 8-32 x 7/16	5
15	081764	BEARING - Gripper Shaft	2
16	001046	RING - Retaining, .283 I.D. x .027	1
17	007727	SHAFT ASSEMBLY - Gripper	1
18	081762	GRIPPER - Paper	4
19	014576	PIN - Driv-Lok, .093 O.D. x 9/16	4

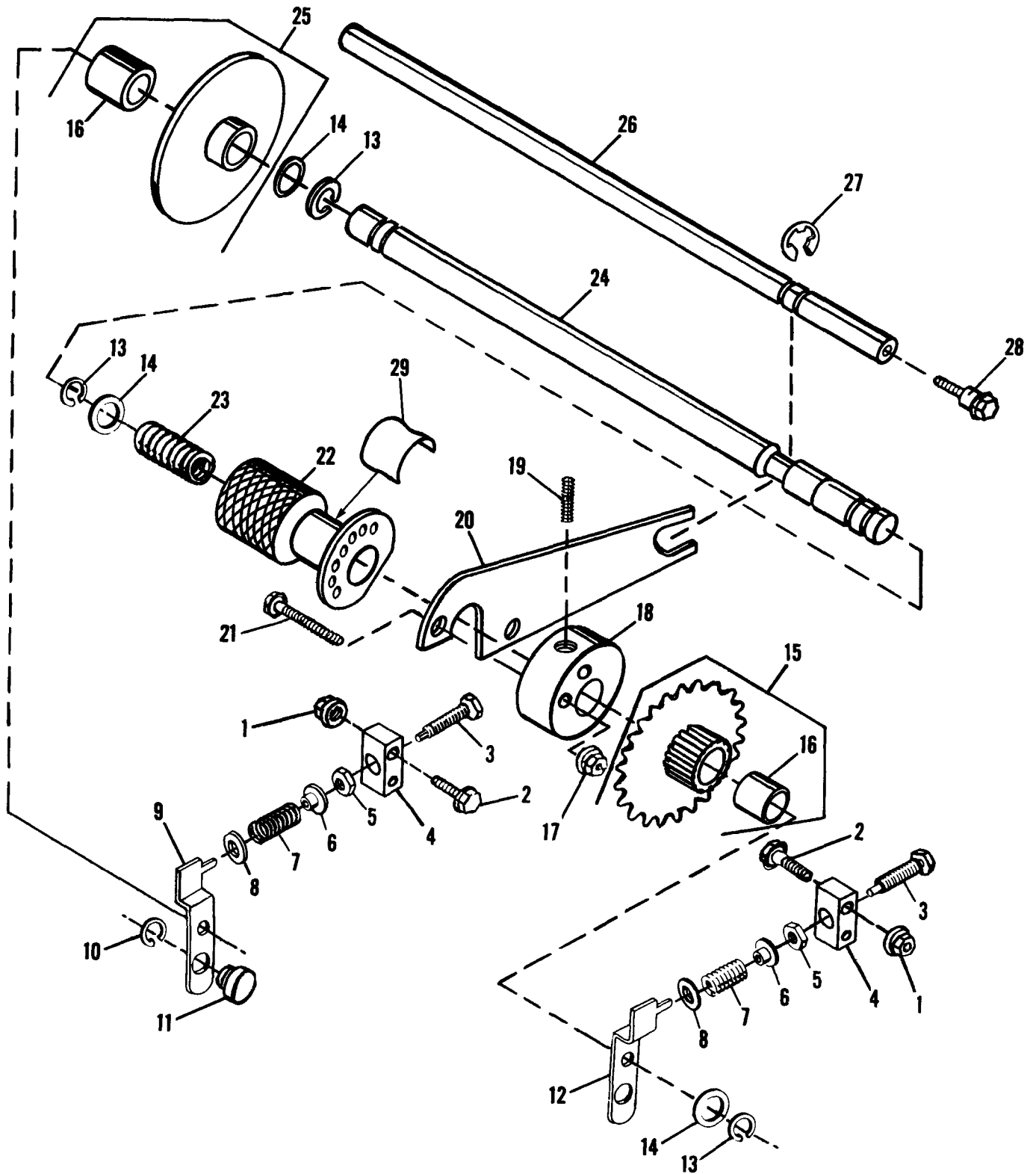


FIGURE 81 - MODEL 9865/9869
Idler Shaft Assembly

parts catalog...

Index No.	Part No.	MODEL 9865/9869 - Figure 81 Description	Units Per Assy.
1	150083	NUT - 10-32	4
2	111060	SCREW - 10-32 x 1-1/8	4
3	081528	SCREW - Tension Adjusting, 5/16-18	2
4	081527	BLOCK - Idler Tension	2
5	001840	NUT - 5/16-18	2
6	081623	RETAINER - Spring	2
7	081836	SPRING - Compression, .750 O.D. x 1.500 O.A.L. x .156	2
8	190157	SPACER - Idler Tension	2
9	016397	LEVER - Tension, N.O.S.	1
10	001076	RING - Retaining, .815 I.D. x .044	2
11	196410	PIVOT - Stud	2
12	016398	LEVER - Tension, O.S.	1
13	001784	RING - Retaining, .559 I.D. x .037	7
14	014761	WASHER - Plain, .628 I.D. x 1.000 O.D. x .029	7
15	016393	SPROCKET ASSEMBLY	1
16	001420	BUSHING - .629 I.D. x .754 O.D. x 1.000 O.A.L.	1
17	150080	NUT - 6-32	2
18	016507	HUB ASSEMBLY - W/Pin	1
19	014247	SCREW - Set, 10-32 x 1/4	1
20	016502	ARM - Roller Guide	1
21	101947	SCREW - Flat Head, 6-32 x 1-1/8	2
22	016504	CAM ASSEMBLY - Release	1
23	190220	SPRING - Compression	1
24	016396	SHAFT - Idler	1
25	016391	ROLLER ASSEMBLY	1
26	016524	TIE BAR	1
27	001094	RING - Retaining, .394 I.D. x .044	2
28	081553	SCREW - Dowel, 1/4-28	2
29	016363	DECAL	1

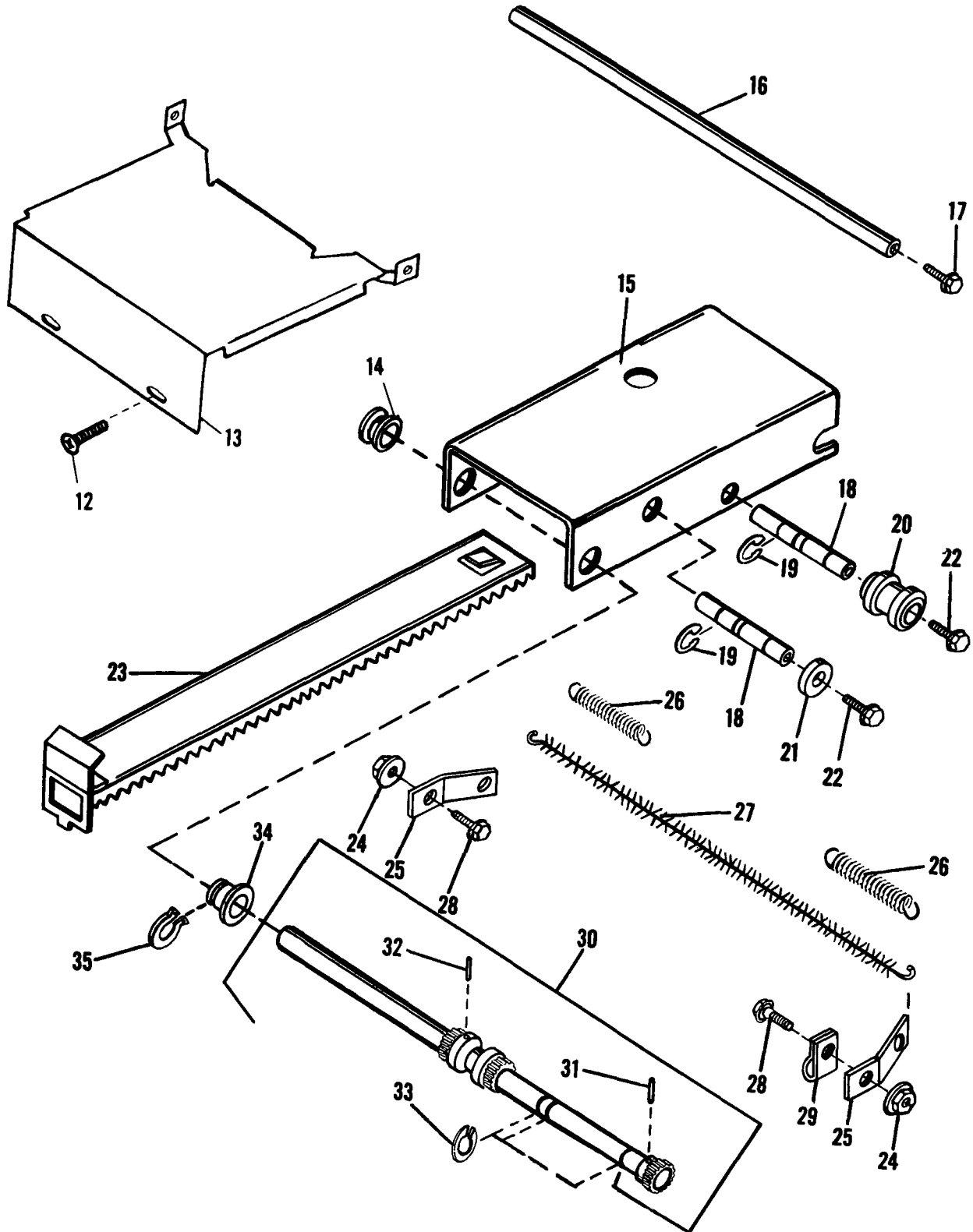


FIGURE 82 - MODEL 9865/9869
Back Jogger Mechanism - Part I

parts catalog...

Index No.	Part No.	MODEL 9865/9869 - Figure 82 Description	Units Per Assy.
12	101494	SCREW - 1/4-20 X 5/8	2
13	025431	COVER - Shield Base	1
14	100731	BUSHING - Flanged Nylon, .501 I.D. x .562 O.D. x .078	2
15	016299	HOUSING - Back Jogger	1
16	007575	TIE BAR	1
17	193601	SCREW - Shoulder, 5/16-24	2
18	016431	SHAFT	2
19	001776	RING - Retaining, .273 I.D. x .027	4
20	016430	ROLLER - Rear	1
21	196399	ROLLER - Rack, Upper	1
22	111052	SCREW - 10-32 x 3/8	4
23	016421	RACK ASSEMBLY - Jogger	1
24	014808	NUT - 10-32	2
25	081107	CLIP - Spring	2
26	050621	SPRING - Tension, .218 O.D. x 1.218 O.A.L.	2
27	***	TINSEL	A/R
28	111054	SCREW - 10-32 x 1/2	2
29	100960	CLAMP - 1/4	1
30	016424	SHAFT ASSEMBLY - Jogger	1
31	000009	PIN - Taper, .110 O.D. x .750 O.A.L.	1
32	100521	PIN - Taper, .156 O.D. x 1.375 O.A.L.	1
33	100969	RING - Retaining, .447 I.D. x .037	3
34	196397	BUSHING - Special Flange	2
35	101938	RING - Retaining, Bowed	2
36	001541	SCREW - 6-32 x 1/4	2
	***	Order As Supply Item #670 (2 rolls = 12 yds. or 10.9M each)	

parts catalog...

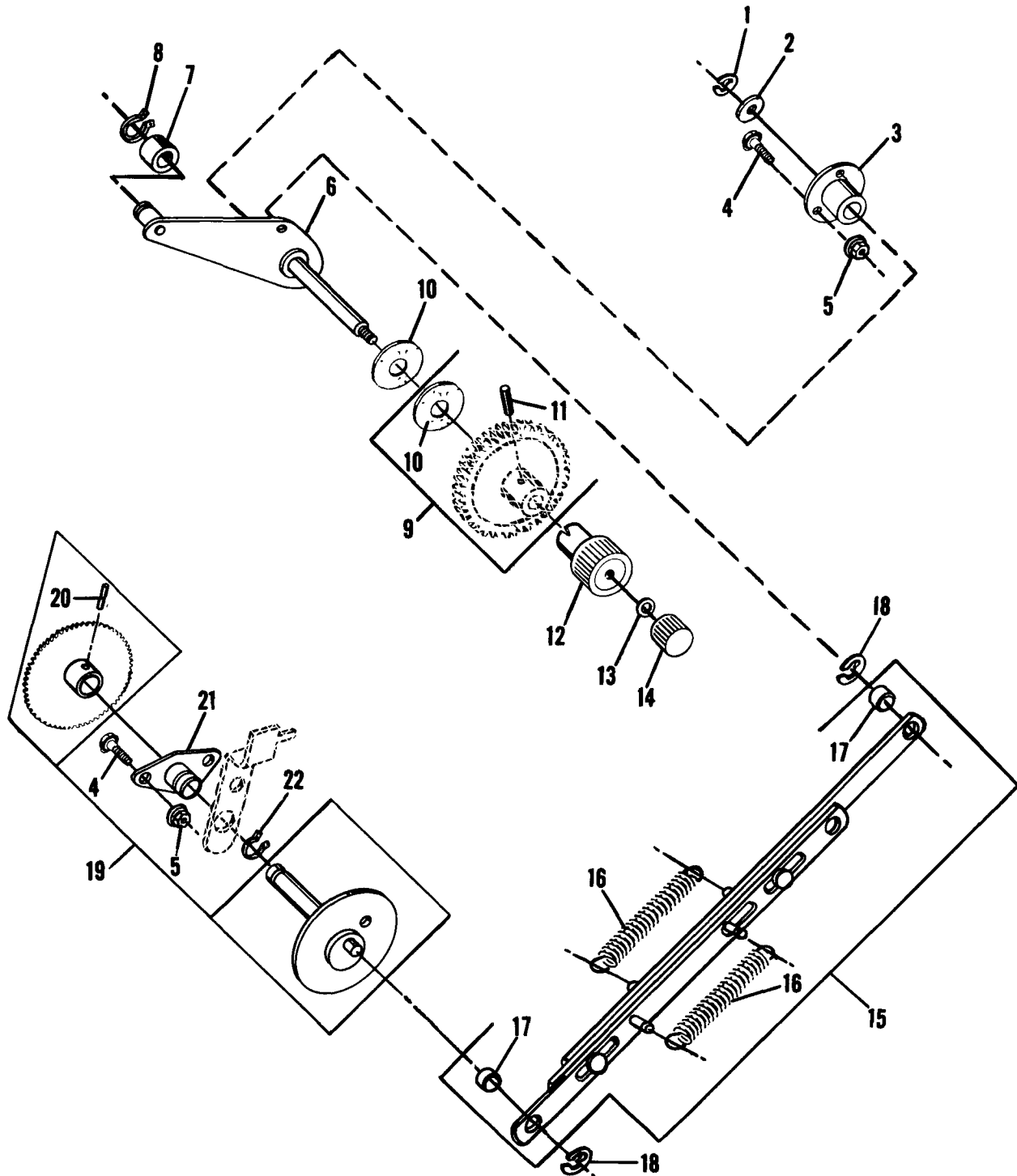


FIGURE 83 - MODEL 9865/9869
Back Jogger Mechanism - Part II

parts catalog

Index No.	Part No.	MODEL 9865/9869 - Figure 83 Description	Units Per Assy.
1	014510	RING - Retaining, .483 I.D. x .044	1
2	081789	WASHER - Plain, .630 I.D. x 1.000 O.D. x .064	1
3	016376	BEARING - Sprocket Shaft	1
4	111054	SCREW - 10-32 x 1/2	5
5	150083	NUT - 10-32	5
6	016486	LEVER ASSEMBLY	1
7	054350	ROLLER	1
8	001049	RING - Retaining, .277 I.D. x .027	1
9	016489	GEAR ASSEMBLY	1
10	081597	PAD - Friction	1
11	149319	PIN - Spiral, 3/16 O.D. x 1/2 O.A.L.	1
12	017582	KNOB ASSEMBLY - Back Jogger Adjusting	1
13	016574	WASHER - .315 I.D. x .687 O.D. x .047	1
14	016933	KNOB - Back Jogger	1
15	016494	LINK ASSEMBLY - Drive	1
16	196405	SPRING - Tension, 15/32 O.D. x 2-7/8 O.A.L.	2
17	001472	BUSHING - .315 I.D. x .439 O.D. x .250	2
18	001095	RING - Retaining, .245 I.D. x .027	2
19	016472	CAM CRANK ASSEMBLY	1
20	001956	PIN - Taper, .157 O.D. x 1.000 O.A.L.	1
21	016441	BEARING ASSEMBLY	1
22	001076	RING - Retaining, .815 I.D. x .044	1

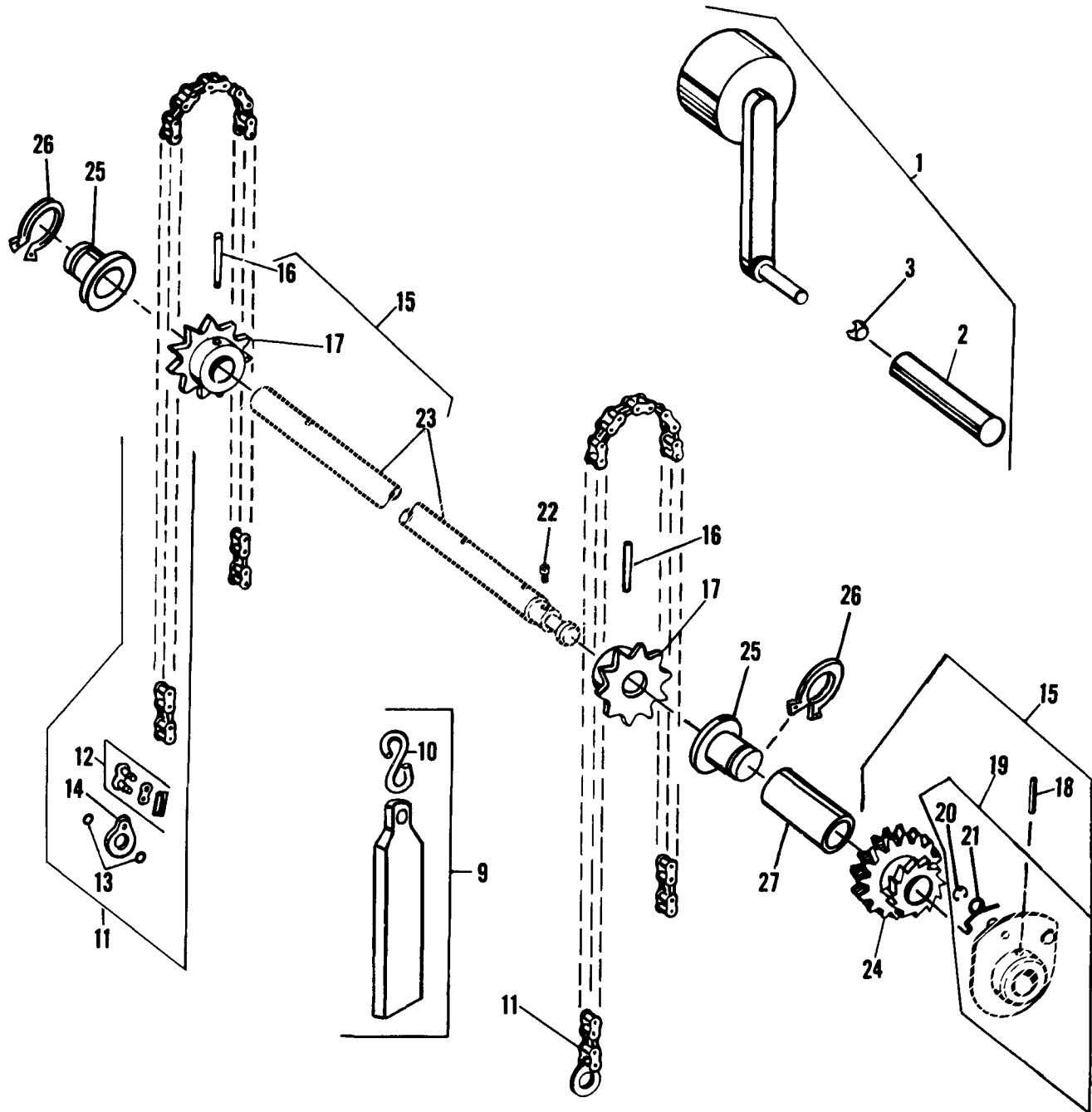


FIGURE 84 - MODEL 9865/9869
Dolly Raise Shaft Assembly

parts catalog...

Index No.	Part No.	MODEL 9865/9869 - Figure 84 Description	Units Per Assy.
1	017714	CRANK ASSEMBLY - Table Raise	1
2	017715	HANDLE - Crank Assembly	1
3	003042	SPRING LOCK - Crank Handle	1
9	016399	WEIGHT ASSEMBLY	2
10	194835	HOOK - Chain Weight	2
11	072035	CHAIN ASSEMBLY	2
12	071576	LINK - Chain Coupler	1
13	001054	WASHER	2
14	072036	TABLE CONNECTOR	1
15	016409	SHAFT ASSEMBLY - Table Raise Crank	1
16	000014	PIN - Taper, .146 O.D. x 1.127 O.A.L.	2
17	*016411	SPROCKET - Chain Drive	2
18	001983	PIN - Roll, .167 O.D. x 1.015 O.A.L.	1
19	*016410	MOUNT ASSEMBLY - Gear Pawl	1
20	014504	RING - Retaining, .095 I.D. x .019	1
21	081720	SPRING - Pawl Pressure	1
22	101281	PIN - Drive Lock, .250 O.D. X .750 O.A.L.	1
23	*016414	SHAFT - Table Raise Crank	1
24	016412	GEAR ASSEMBLY - Crank Shaft	1
25	196397	BUSHING - Special Flange	2
26	101938	RING - Retaining, Bowed	2
27	196396	SPACER - .521 I.D. x .687 O.D. x 1.252 O.A.L.	1
	*	Not Procurable Separately	

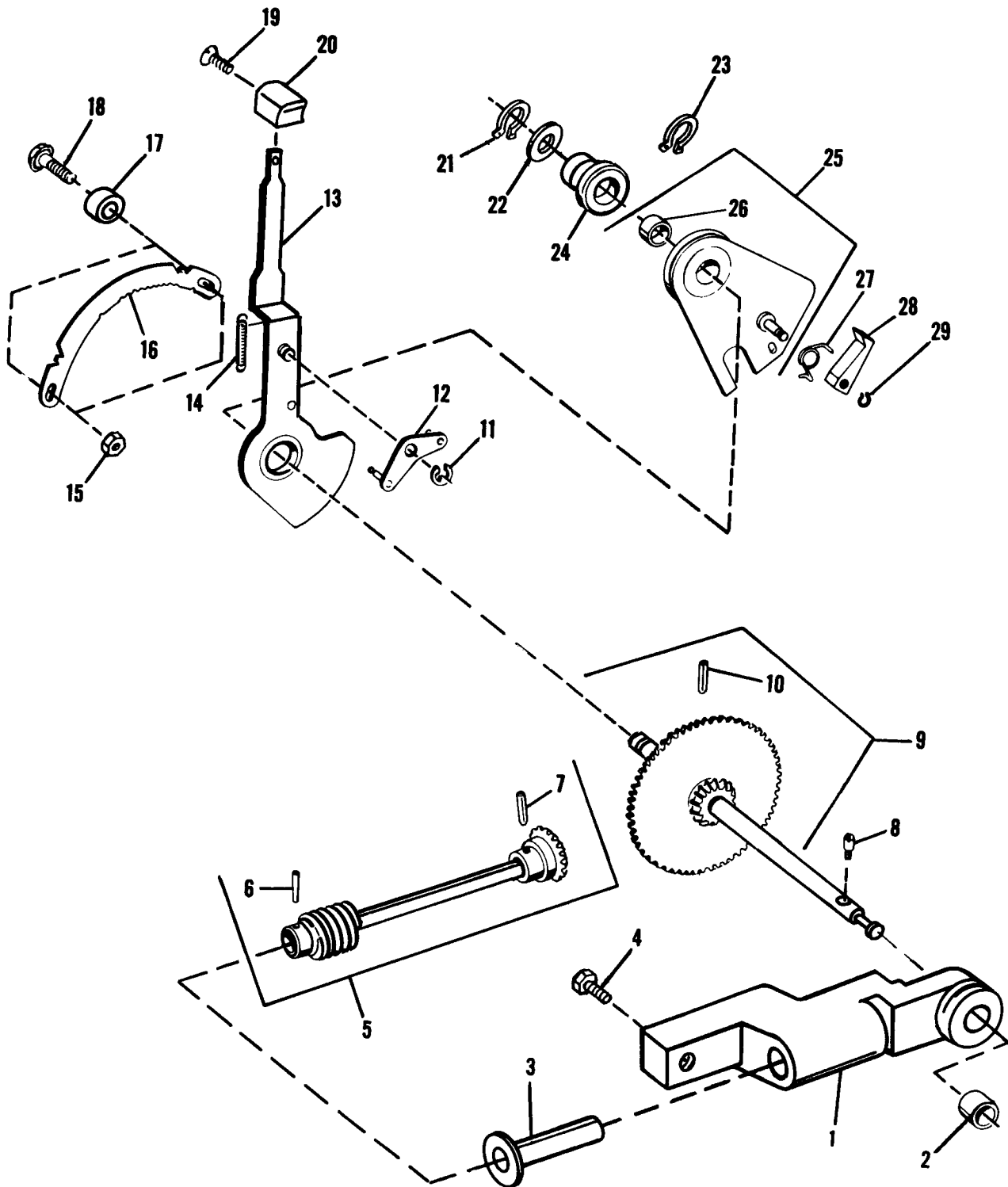


FIGURE 85 - MODEL 9865/9869
Dolly Raise Control

parts catalog

Index No.	Part No.	MODEL 9865/9869 - Figure 85 Description	Units Per Assy.
1	016416	SUPPORT - Worm Gear	1
2	001432	BEARING - .504 I.D. x .629 O.D. x .500	1
3	196398	BEARING - Flanged	1
4	081553	SCREW - Dowel, 1/4-28	2
5	016418	SHAFT ASSEMBLY - Worm Gear	1
6	001920	PIN - Taper, .149 O.D. x .750	1
7	001981	PIN - Roll, .199 O.D. x .827	1
8	081609	PIN - Handle Lock	1
9	016481	SHAFT ASSEMBLY - Table Control Ratchet	1
10	001978	PIN - Roll, .135 O.D. x .765	1
11	001095	RING - Retaining, .245 I.D. x .027	1
12	081575	LEVER - Locking	1
13	016521	LEVER - Table Control	1
14	021369	SPRING - Tension, .250 O.D. x 1.062 O.A.L. x .033	1
15	014248	NUT - Lock, 10-32	2
16	081604	RATCHET - Control Lever Holding	1
17	196403	SPACER	2
18	111058	SCREW - 10-32 x 7/8	2
19	001552	SCREW - 8-32 x 3/8	1
20	016921	KNOB - Brown	1
21	001047	RING - Retaining, .340 I.D. x .027	1
22	001755	WASHER - .385 I.D. x .625 O.D. x .047	1
23	014461	RING - Retaining Bowed, .526 I.D. x .037	1
24	196402	BUSHING - Flanged	1
25	016477	MOUNT - Ratchet Pawl	1
26	014639	BEARING - .504 I.D. x .629 O.D. x .307	1
27	081833	SPRING - Pawl Tension	1
28	081567	PAWL - Ratchet Holding	1
29	001049	RING - Retaining, .227 I.D. x .027	1

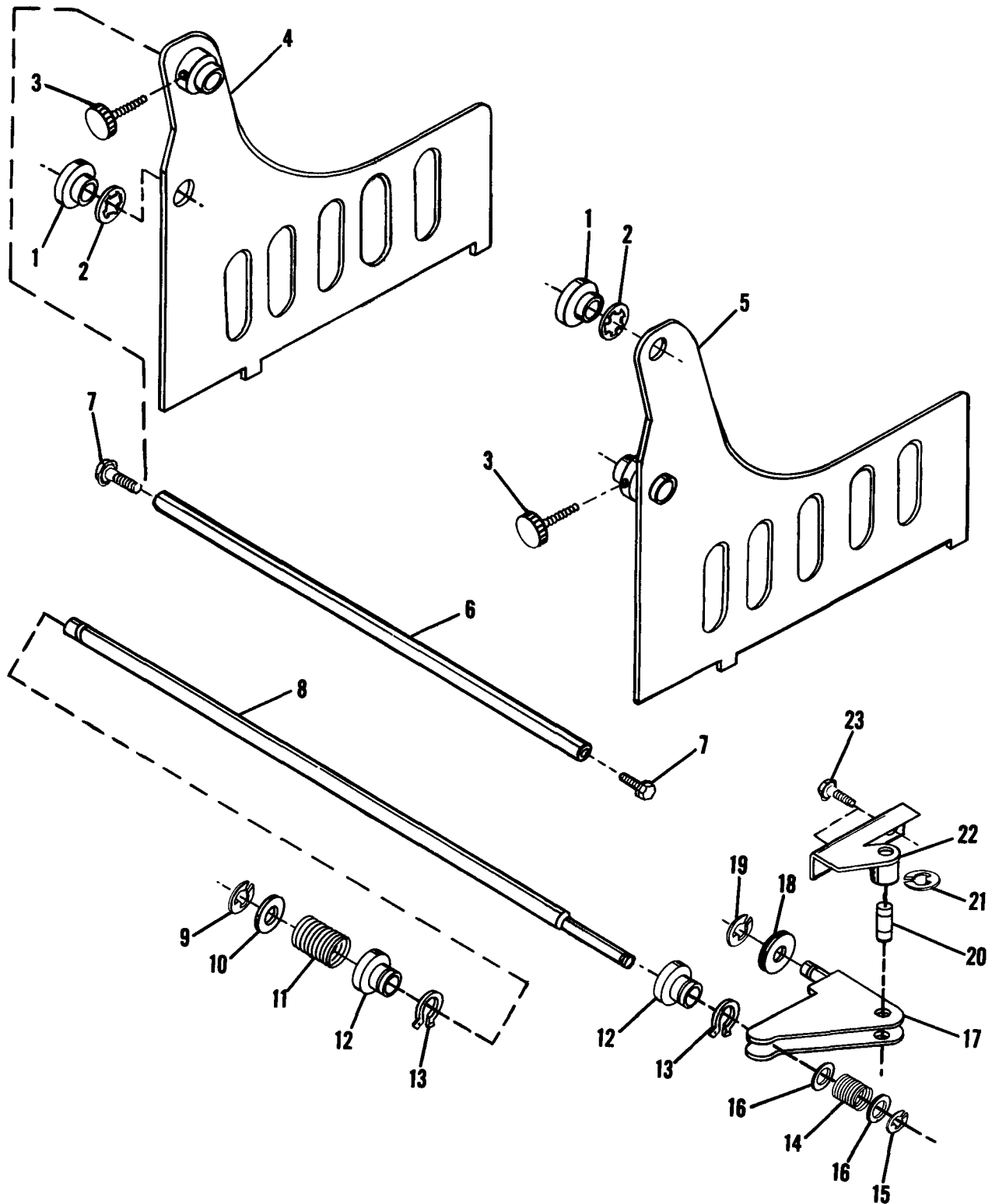


FIGURE 86 - MODEL 9865/9869
Paper Guides Chain Delivery

parts catalog...

Index No.	Part No.	MODEL 9865/9869 - Figure 86 Description	Units Per Assy.
1	195401	BUSHING - Flanged	2
2	101023	RING - Self Locking, Push-On .627 I.D.	2
3	016450	KNOB - 1/4-28	2
4	016462	JOGGER ASSEMBLY - N.O.S.	1
5	016461	JOGGER ASSEMBLY - O.S.	1
6	016466	TIE BAR	1
7	081553	SCREW - Dowel, 1/4-28	2
8	016452	SHAFT	1
9	001094	RING - Retaining, .394 I.D. x .044	1
10	014712	WASHER - Plain, .515 I.D. x .750 O.D. x .029	1
11	196443	SPRING - Compression, 33/64 I.D. x 2.000 O.A.L.	1
12	196397	BUSHING - Flanged	2
13	101938	RING - Retaining, Bowd	2
14	196444	SPRING - Compression, .382 I.D. x 1-5/32 O.A.L.	1
15	001080	RING - Retaining, .302 I.D. x .037	1
16	001771	WASHER - Plain, .385 I.D. x .875 O.D. x .059	2
17	016471	LEVER ASSEMBLY	1
18	016470	ROLLER ASSEMBLY	1
19	001095	RING - Retaining, .245 I.D. x .027	1
20	196453	SHAFT	1
21	001060	RING - Retaining, .208 I.D. x .027	2
22	016458	SUPPORT ASSEMBLY - Pivot	1
23	111052	SCREW - 10-32 x 3/8	2

parts catalog...

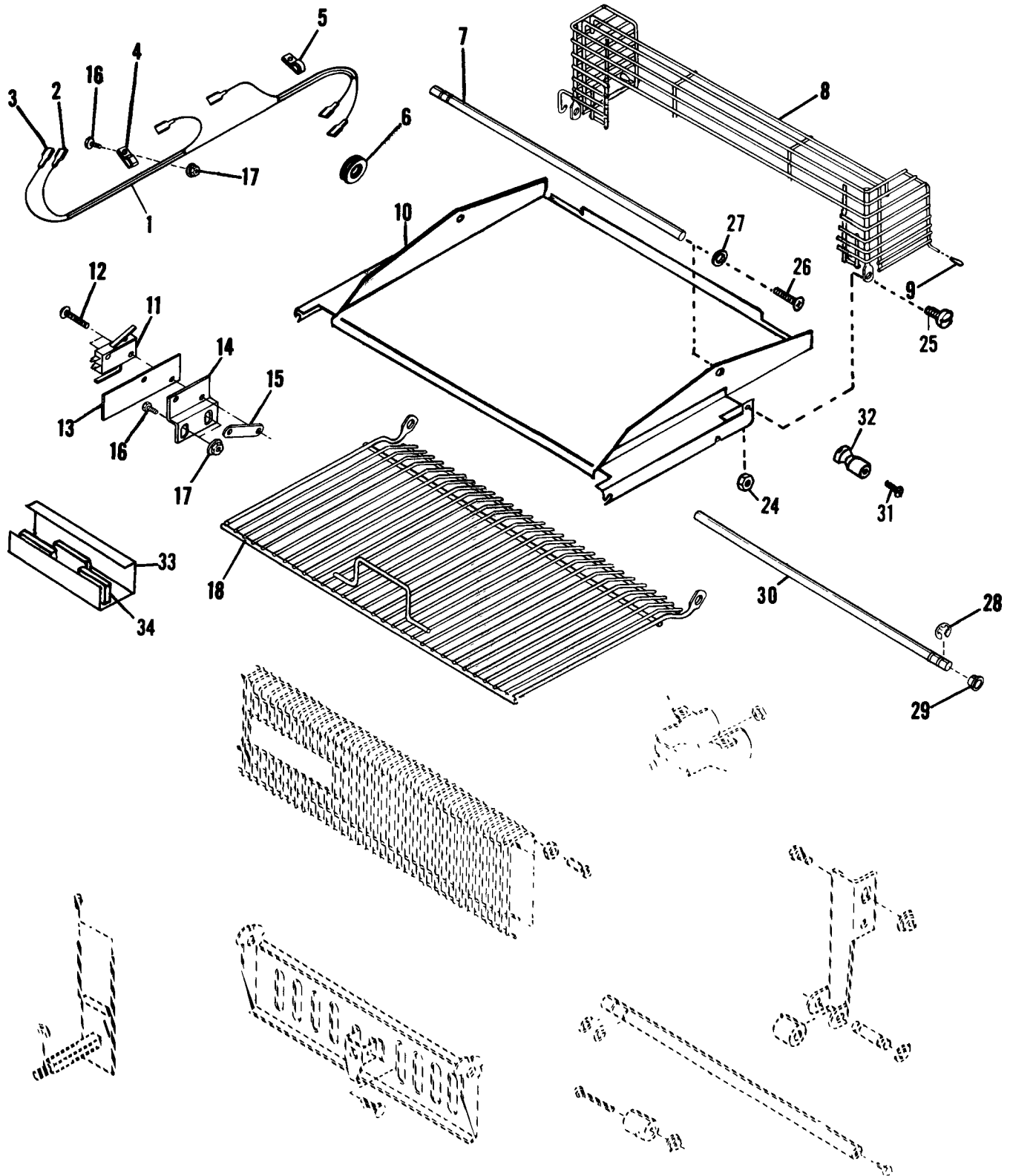


FIGURE 87 - MODEL 9865/9869
Safety Guards - Chain Delivery

parts catalog...

Index No.	Part No.	MODEL 9865/9869 - Figure 87 Description	Units Per Assy.
1	016749	HARNESS ASSEMBLY - Guard Switches	1
2	250062	TERMINAL	6
3	250030	TUBING - Heat Shrink	6
4	250221	CLAMP - Cable, .144 x .312 I.D.	2
5	250204	CLAMP - Cable, 5/16 I.D.	1
6	101961	GROMMET - 3/8 I.D. x 5/8 O.D. x 3/16	1
7	025254	SHAFT	1
8	025255	GUARD - Front	1
9	101944	BUMPER - Vinyl	4
10	025257	TRAY ASSEMBLY - Master	1
11	252439	SWITCH - Safety, Guard	2
12	111006	SCREW - 4-40 x 9/16	4
13	006917	INSULATION - Switch	2
14	016536	BRACKET - Switch	2
15	190555	PLATE - Nut, 4-40	2
16	111035	SCREW - 8-32 x 7/16	6
17	150081	NUT - 8-32	6
18	016527	GUARD - Chain, Rear	1
24	001825	NUT - 8-32	2
25	195148	SCREW-Shoulder	2
26	001696	SCREW - 8-32 X 7/16	2
27	021563	WASHER - Plain, # 10	2
28	014504	RING - Retaining, .146 I.D. x .335 O.D. x .027	4
29	100539	BUSHING - Flanged, Nylon .187 I.D. x .250 O.D. x .078	2
30	025256	SHAFT - Guard, Chain	1
31	014143	SCREW - Flat Head, 8-32 X 7/16 O.S.	1
31	001689	SCREW - 8-32 X 7/16, N.O.S. (Not Illustrated).....	1
32	195131	STUD - Tray Support	2
33	025395	MASTER COPY ASSEMBLY.....	1
34	100523	CATCH - Magnetic	3

parts catalog

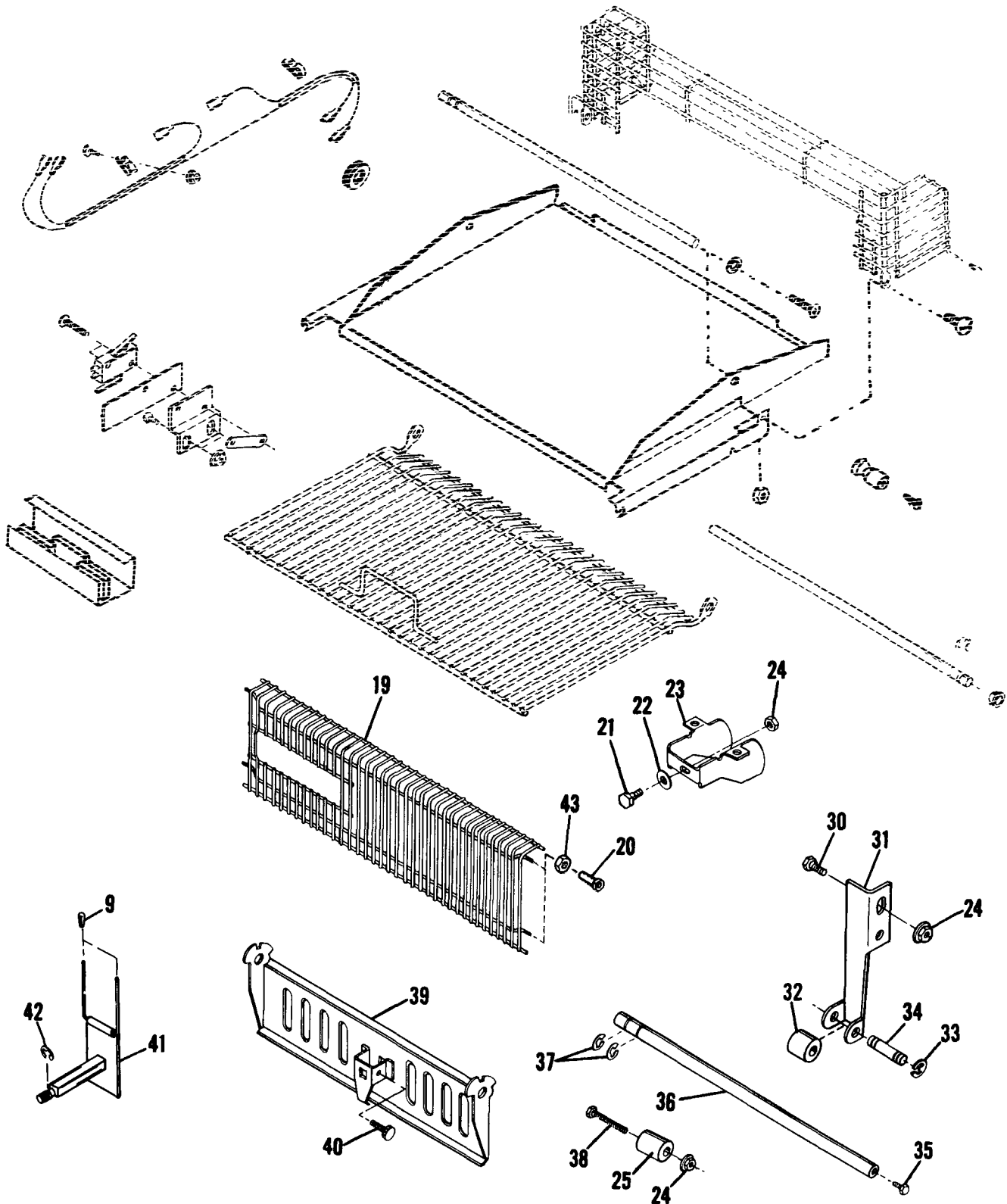


FIGURE 88 - MODEL 9865/9869
Back Stop Chain Delivery

parts catalog...

Index No.	Part No.	MODEL 9865/9869 - Figure 88 Description	Units Per Assy.
9	101944	BUMPER - Vinyl	4
19	016528	GUARD - Rear	1
20	016533	BUSHING - Threaded, 10-32	4
21	111055	SCREW - 10-32 x 9/16	1
22	016572	WASHER - Flat, 1/4 I.D. x 7/8 O.D. x .059	1
23	016469	DEFLECTOR	1
24	150083	NUT - 10-32	9
25	196454	SPACER - Guard Stop	4
26	111060	SCREW - 10-32 x 1-1/8	5
30	111052	SCREW - 10-32 x 3/8	4
31	016478	ARM - Spring, O.S.	1
31	016543	ARM - Spring, N.O.S. (Not Illustrated)	1
32	196449	SPACER	2
33	014514	RING - Retaining, .094 I.D. x .270 O.D. x .017	4
34	196450	SHAFT	2
35	081553	SCREW - Dowel, 1/4-28	2
36	016466	ROD - Tie	1
37	100969	RING - Retaining, .447 I.D. x .581 O.D. x .037	2
39	016365	DOOR ASSEMBLY	1
40	016450	KNOB - 1/4-28	1
41	016584	STOP ASSEMBLY - Paper	1
42	001080	RING - Retaining, .302 I.D. x .660 O.D. x .037	1
43	001812	NUT - 10-32	4

parts catalog...

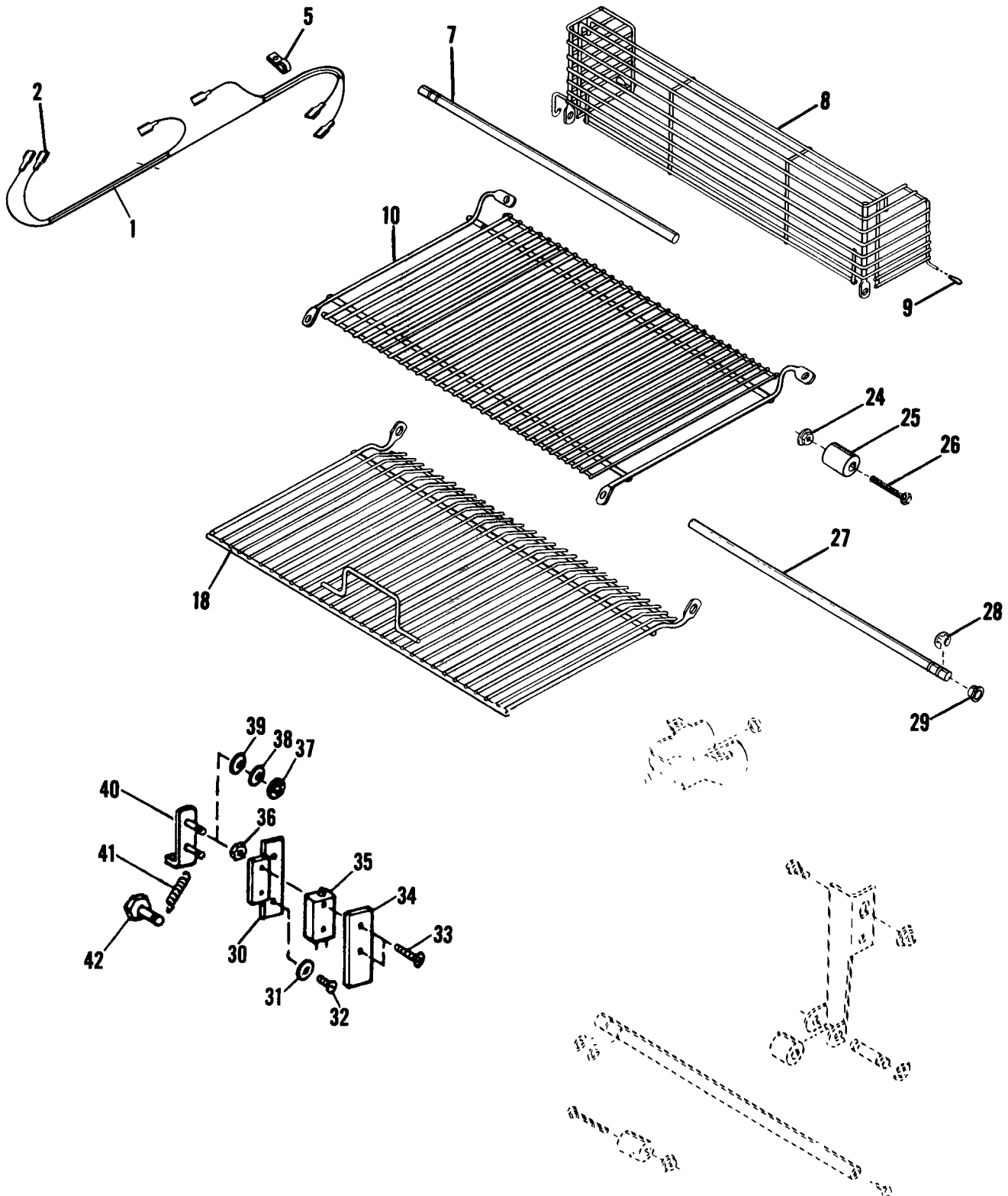


FIGURE 88A - MODEL 9870
Safety Guards and Switches - Chain Delivery

parts catalog...

Index No.	Part No.	MODEL 9870 - Figure 88A Description	Units Per Assy.
1	022830	HARNESS ASSEMBLY - Guard Switches	1
2	250062	TERMINAL	6
5	250204	CLAMP - Cable, 5/16 I.D.	1
7	016535	SHAFT - Guard Front	1
8	016525	GUARD - Front	1
9	101944	BUMPER - Vinyl	4
10	016526	GUARD - Chain Front	1
18	016527	GUARD - Chain, Rear	1
24	150083	NUT - 10-32	11
25	196454	SPACER - Guard Stop	6
26	100366	SCREW - Flat Head, 10-32 x 1-1/4	1
26	111060	SCREW - 10-32 x 1-1/8	5
27	016534	SHAFT - Guard, Chain	1
28	014504	RING - Retaining, .146 I.D. x .335 O.D. x .027	6
29	100539	BUSHING - Flanged, Nylon .187 I.D. x .250 O.D. x .078	8
30	087756	PLATE Mounting	1
31	022621	WASHER - Plain #10	2
32	001220	SCREW - 10-32 x 3/8	2
33	110002	SCREW - 2-56 x 5/16	2
34	196330	SHIELD - Switch	1
35	025366	SWITCH ASSEMBLY	1
36	100137	NUT - 2-56	2
37	001060	RING - Retaining, .208 I.D.	1
38	006675	WASHER - Plain, 1/4 I.D. x 1/2 O.D.	1
39	014757	WASHER - Plain, 1/4 I.D. x 7/16 O.D.	1
40	023044	ACTUATOR ASSEMBLY - Switch	1
41	064673	SPRING - Tension, 1/4 O.D. x 1-37/64 O.A.L. x .024	1
42	196768	STUD - Spring	1

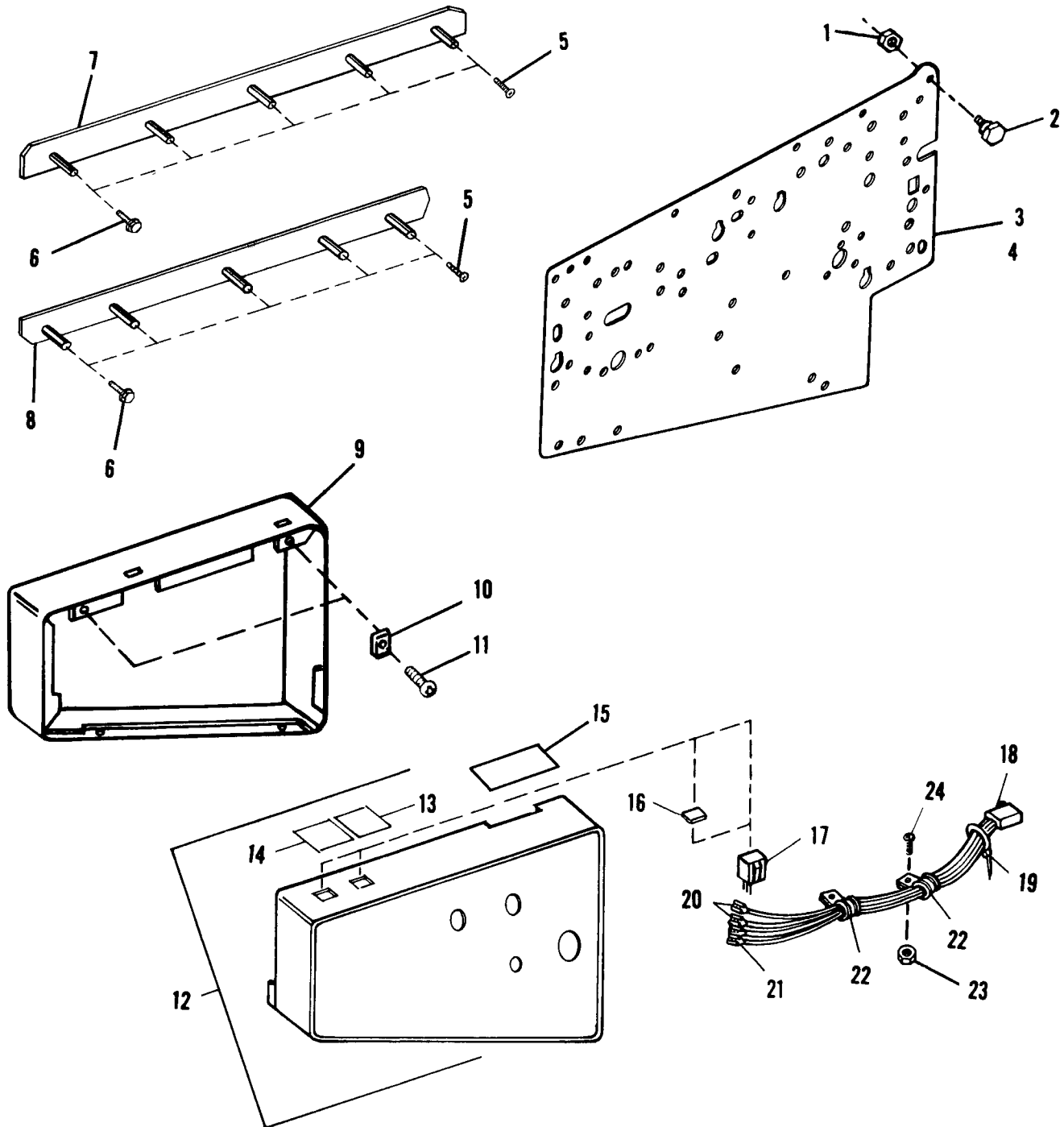


FIGURE 89 - MODEL 9865/9869
Covers and Frames - Chain Delivery

parts catalog...

Index No.	Part No.	MODEL 9865/9869 - Figure 89 Description	Units Per Assy.
1	150089	NUT - 3/8-24	4
2	196387	SCREW - Dowel, 3/8-24	4
3	016209	FRAME - N.O.S. (Not Illustrated)	1
4	016208	FRAME - O.S.	1
5	101942	SCREW - Flat Head, Self-Tapping, 10-16 X 3/4	4
6	101941	SCREW - Self-Tapping, 10-16 X 3/4	16
7	016445	TRACK - Chain, Upper	2
8	016446	TRACK - Chain, Lower	2
9	016585	COVER - N.O.S. (1st Design)	1
9	087702	COVER - N.O.S. (2nd Design)	1
10	101144	NUT - Speed # 10	5
11	101145	SCREW - 10-12 X 3/4	9
12	016588	COVER - O.S. (1st Design)	1
12	087705	COVER - O.S. (2nd Design)	1
13	017018	DECAL - Feed, On/Off	1
14	017017	DECAL - Proof	1
15	016546	DECAL - Table Raise	1
16	253031	LENS - Cap	2
17	253002	SWITCH - Low Profile	2
18	025362	CABLE ASSEMBLY - Proof/Feed, Machine & Cover (1st Design)..	1
18	025659	HARNESS ASSEMBLY - Proof/Feed, Cover (M-9869 & 9870).....	1
18	025658	CABLE ASSEMBLY - Proof/Feed, Machine (M-9869)	1
18	016695	CABLE ASSEMBLY - Proof/Feed, Machine	1
19	250077	STRAP - Cable Tie	19
20	250093	TERMINAL	4
21	251323	TUBING - Shrink	4
22	250205	CLAMP - Cable, 3/16	4
23	150081	NUT - 8-32	4
24	111035	SCREW - 8-32 X 7/16	4

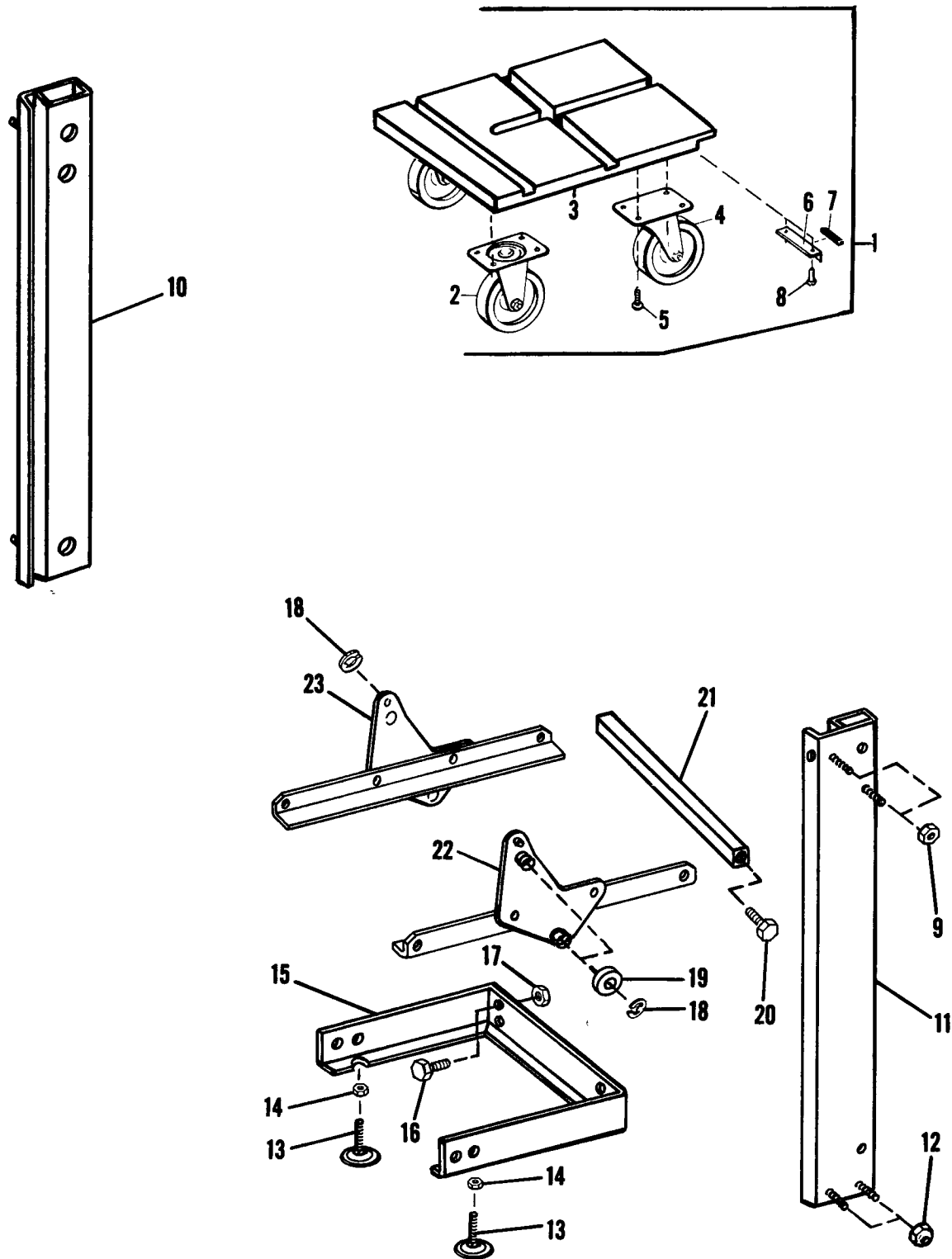
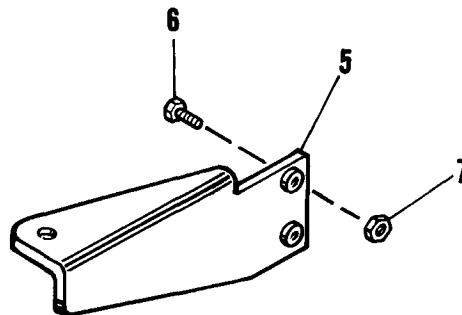
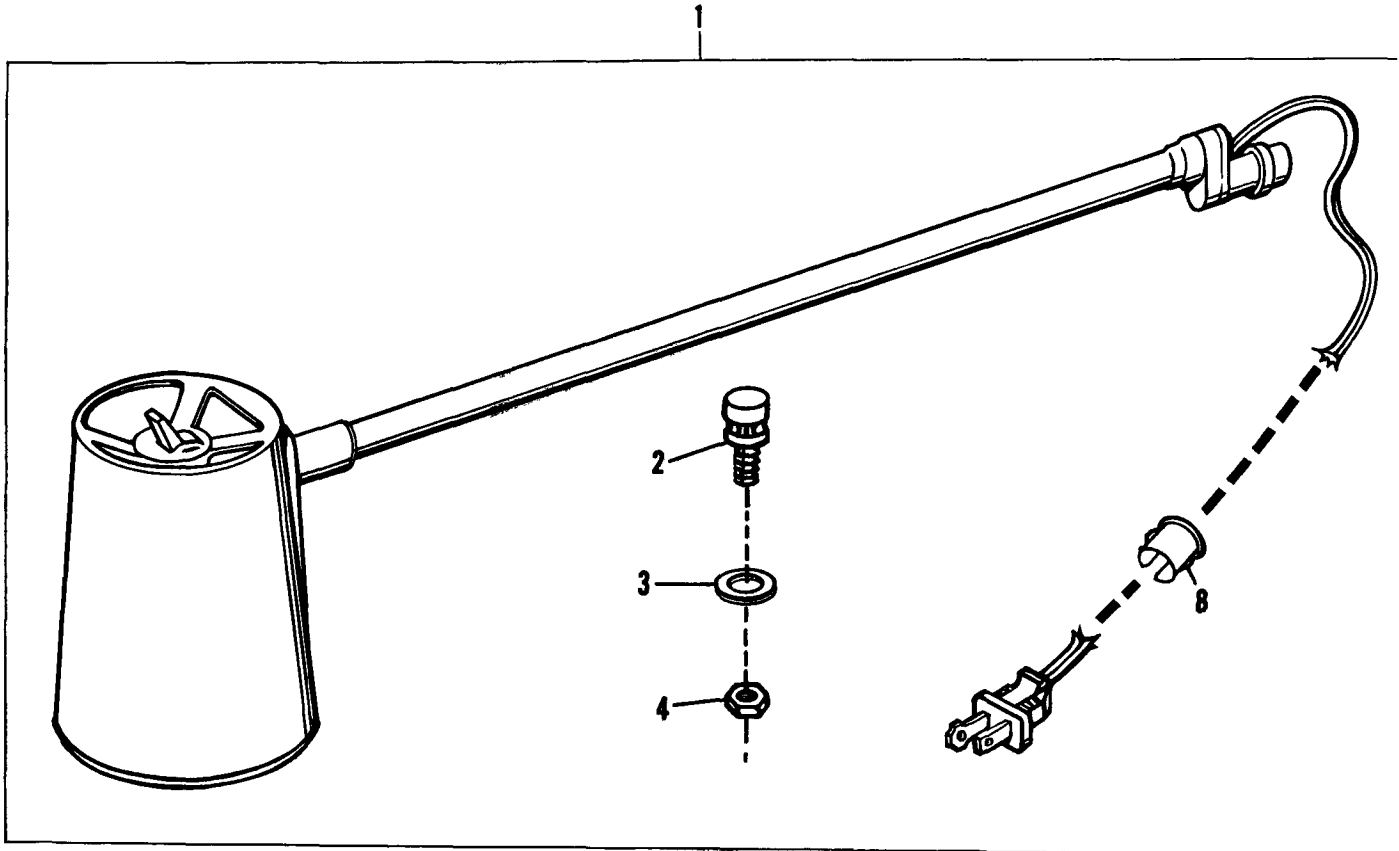


FIGURE 90 - MODEL 9865/9869
Dolly and Frame Assemblies

parts catalog...

Index No.	Part No.	MODEL 9865/9869 - Figure 90 Description	Units Per Assy.
1	016389	DOLLY ASSEMBLY	1
2	081515	CASTER - Dolly, Swivel	2
3	016390	BASE - Dolly	1
4	081516	CASTER - Dolly, Fixed	2
5	101901	SCREW - 1/4-14 x 3/4	16
6	101899	BRACKET - Mounting Catch	1
7	100523	CATCH - Magnetic	1
8	101900	SCREW - 5-20 x 3/8	2
9	100871	NUT - 1/4-20	4
10	016438	CARRIER ASSEMBLY - N.O.S. (M-9869)	1
10	023042	CARRIER ASSEMBLY - N.O.S. (M-9870)	1
11	016437	CARRIER ASSEMBLY - O.S.	1
12	101943	NUT - Acorn, 1/4-20	4
13	017542	GLIDER - Yoke	2
14	001845	NUT - 3/8-24	4
15	016547	YOKE - C.D.	1
16	111089	SCREW - 5/16-24 x 5/8	4
17	150087	NUT - 5/16-24	4
18	001060	RING - Retaining, .208 I.D. x .027	6
19	196390	ROLLER - Nylon	4
20	111073	SCREW - 1/4-28 x 5/8	2
21	016405	ROD - Carrier	1
22	016401	FRAME ASSEMBLY - Carrier, O.S.	1
23	016402	FRAME ASSEMBLY - Carrier, N.O.S.	1



parts catalog

Index No.	Part No.	MODEL 9865/9869 - Figure 91 Description	Units Per Assy.
1	***	WORKLIGHT ASSEMBLY - Flexible, 115 V.	1
2	101921	POST - 3/8 - 16	1
3	190699	WASHER - .390 I.D. x 1.250 O.D. x .097	1
4	101922	NUT - 3/8-16	1
5	017137	BRACKET - Lamp, TD	1
6	196393	SCREW - 1/4-28 x 5/8, TD	2
7	150085	NUT - 1/4-28	2
8	251520	BUSHING - Plastic, 1/2 O.D.	1
	***	Order as Product Number 1-3582	

parts catalog...

Part Number	Fig. & Index	Part Number	Fig. & Index	Part Number	Fig. & Index	Part Number	Fig. & Index
000006	14A-13	001052	30-30	001095	14-17	001432	19-37
000008	16-7	001052	43-9	001095	24-37	001432	85-2
000009	6-5	001054	84-13	001095	31-16	001446	37-30
000009	8-27	001060	6-8	001095	31A -28	001446	49-18
000009	16-9	001060	7-7	001095	34-16	001469	56-9
000009	23B-4	001060	12A-17	001095	36A-13	001470	56-30
000009	82-31	001060	19-51	001095	47-28	001472	56-3
000011	20-12	001060	24-1	001095	56-1	001472	83-17
000012	46-22	001060	28-22	001095	66-33	001473	42-12
000014	13-2	001060	29-15	001095	83-18	001493	54-4
000014	60-15	001060	31A -10	001095	85-11	001495	60-17
000014	84-16	001060	32A-24	001095	86-19	001497	13-28
000020	19-27	001060	36A-7	001096	10-25	001497	20-2
000020	59-22	001060	37-18	001097	21A-2	001497	22-20
000022	46-13	001060	38-38	001097	30-21	001497	23C-33
000023	46-15	001060	42-13	001098	19-25	001523	45-2
000024	46-19	001060	63-15	001098	29-39	001523	65-10
000024	66-26	001060	71-26	001098	39-2	001523	69-30
000666	36A-17	001060	86-21	001099	11-3	001525	73-1
000895	46-39	001060	88A-37	001099	11A-5	001536	29-18
000895	64-2	001060	90-18	001106	29-13	001541	19-48
001044	21A-34	001062	37-20	001106	31A-8	001541	36A-33
001044	62-12	001062	54-48	001106	59-27	001541	46-41
001046	21-36	001064	42-28	001129	7-10	001541	64-14
001046	21A-36	001065	44-16	001207	13-38	001541	73-33
001046	33-27	001066	44-8	001207	23C-25	001541	82-36
001046	49-37	001066	47-38	001207	31A-23	001542	53-1
001046	54-39	001067	58-23	001207	38-5	001542	59-11
001046	59-18	001073	7-14	001220	4-28	001542	64-8
001046	61-25	001074	58-22	001220	64-20	001543	7-12
001046	79-21	001075	23C-6	001220	88A-32	001548	75-24
001046	80-16	001075	47-32	001221	17-25	001552	40-19
001047	5-18	001075	54-1	001221	72-34	001552	42-1
001047	19-22	001075	55-2	001259	2-4	001552	70-10
001047	24-29	001076	21-24	001260	20-20	001552	71-30
001047	30-24	001076	21A-24	001260	36-23	001552	72-18
001047	35-21	001076	81-10	001267	62-9	001552	85-19
001047	36-39	001076	83-22	001275	42-47	001555	6-14
001047	52-17	001080	11-6	001279	4-2	001555	57-9
001047	53-17	001080	11A-14	001289	14-28	001555	70-18
001047	54-11	001080	14A-6	001289	25-18	001563	65-30
001047	55-1	001080	16-24	001289	72-32	001563	75-9
001047	58-4	001080	22-2	001401	62-32	001565	59-9
001047	61-8	001080	25-2	001404	16-19	001565	73-7
001047	62-24	001080	37-12	001404	29-23	001567	14-44
001047	85-21	001080	49-15	001404	46-28	001567	46-36
001048	13-15	001080	56-33	001404	55-13	001573	18-25
001048	22-28	001080	58-3	001404	62-21	001575	8-6
001048	25-27	001080	59-14	001404	62-27	001575	28-48
001048	36A-26	001080	86-15	001409	63-17	001575	40-22
001048	56-18	001080	88-42	001412	29-36	001577	23-21
001048	62-15	001090	25-25	001412	52-15	001577	23A-14
001048	66-21	001090	42-37	001412	55-6	001586	26-15
001049	5-14	001094	14-14	001413	20-9	001586	27-6
001049	19-17	001094	14A-30	001413	21-30	001586	38-24
001049	31-29	001094	19-7	001413	21A-30	001586	39-31
001049	38-8	001094	21A-14	001413	62-18	001586	40-26
001049	56-5	001094	28-38	001416	10-23	001586	69-34
001049	61-23	001094	32-9	001416	45-26	001586	70-4
001049	80-9	001094	35-27	001416	46-4	001586	71-4
001049	83-8	001094	56-36	001420	81-16	001586	73-20
001049	85-29	001094	81-27	001427	23B-18	001588	24-10
001052	17-26	001094	86-9	001429	28-34	001588	25-28
001052	26-5	001095	12A-27	001430	29-22	001588	31A-31

parts catalog...

Part Number	Fig. & Index	Part Number	Fig. & Index	Part Number	Fig. & Index	Part Number	Fig. & Index
001588	38-13	001772	38-14	001980	68-37	007577	13-35
001588	70-7	001776	31-26	001981	48-14	007577	23C-34
001588	71-2	001776	82-19	001981	85-7	007580	13-26
001590	70-16	001778	13-36	001983	84-18	007580	23C-35
001594	6-13	001782	25-33	001984	59-24	007581	13-29
001594	35-29	001784	28-12	001986	32-21	007582	12-17
001603	3-3	001784	81-13	001987	19-2	007582	36-27
001606	68-25	001785	21A-33	001987	44-29	007591	19-33
001609	68-12	001785	56-38	001987	60-13	007599	23-1
001611	70-35	001797	22-27	001990	14-25	007599	23A-21
001631	2-4	001797	53-11	001990	54-44	007601	60-1
001631	2-33	001804	13-22	001990	68A-7	007601	67-3
001649	30-4	001809	40-33	001991	31-43	*007602	60-5
001649	48-17	001812	3-17	001992	32A-8	007609	48-21
001650	30-37	001812	5-11	001992	46-22	007613	47-9
001650	39-21	001812	12-2	001992	50-16	*007614	47-10
001661	4-12	001812	13-42	003042	21A-42	007628	32-8
001681	14-42	001812	20-19	003042	56-15	007633	44-22
001684	24-8	001812	23C-43	003042	84-3	007641	58-21
001689	87-31	001812	25-31	003578	11-18	007647	58-25
001690	66-5	001812	36-24	003578	11A-4	*007648	58-29
001690	70-24	001812	36A-16	003578	36-13	*007650	59-26
001691	54-28	001812	40-32	003586	43-4	007651	58-16
001693	72-37	001812	88-43	003850	61-15	007653	10-10
001694	19-48	001818	30-8	004074	11-12	007661	1-14
001696	18-27	001818	37-7	004074	11A-11	007662	14A-12
001696	87-26	001818	49-29	004256	12-4	*007663	14A-15
001702	12-3	001821	32-15	004256	34-11	*007664	47-11
001702	13-43	001821	37-14	005071	38-9	007668	10-16
001702	32A-15	001821	48-7	005071	54-24	007672	67-11
001702	50-4	001824	51-24	005311	28-55	007672	68-2
001706	18-2	001825	40-25	005620	46-8	007672	68A-16
001706	35-39	001825	87-24	005620	79-12	007684	10-28
001706	41-19	001840	32-14	006675	5-15	007689	1-19
001706	65-26	001840	48-12	006675	71-25	007694	5-22
001706	68-18	001840	81-5	006675	88A-38	*007696	62-5
001721	19-39	001845	40-41	006776	14A-45	007697	62-6
001721	29-44	001845	48-2	006801	64-18	007699	62-11
001722	54-21	001845	65-17	006917	6-11	007727	80-17
001725	31A-26	001845	90-14	006917	8-31	007729	48-18
001729	12-12	001847	45-5	006917	24-24	007731	47-6
001729	19-43	001847	54-17	006917	87-13	007743	54-3
001729	27-14	001854	72-22	006987	56-41	007745	36-12
001730	34-20	001884	2-7	007076	79-16	007751	62-28
001731	79-13	001920	57-4	007236	63-26	007762	47-13
001740	35-43	001920	85-6	007533	66-25	*007763	47-19
001740	37-8	001936	57-16	*007534	66-28	007764	47-3
001740	49-30	001956	19-2	007547	13-40	007766	43-33
001742	14A-38	001956	60-3	007549	19-15	007767	43-31
001747	9-3	001956	83-20	*007554	23B-8	007809	1-14
001747	42-52	001975	29-31	007557	22-10	007852	13-17
001750	11-11	001976	22-12	007559	22-15	007856	11A-17
001750	11A-10	001978	11-28	007563	60-11	007859	10-16
001750	61-26	001978	23-2	007565	23A-12	007862	1-10
001755	58-18	001978	23A-22	007567	23-18	007866	40-21
001755	61-9	001978	23B-5	007567	23-20	007867	40-15
001755	74-13	001978	62-29	007568	13-13	007870	40-16
001755	85-22	001978	85-10	007569	13-17	007875	40-40
001763	65-13	001980	14-16	007570	13-20	007887	39-17
001766	23C-47	001980	23-3	007575	35-2	007888	39-1
001771	86-16	001980	23A-23	007575	36-2	007889	40-4
001772	11-13	001980	32A-5	007575	51-3	007892	39-14
001772	11A-8	001980	50-19	007575	82-16	007893	40-27
001772	25-4	001980	66-23	007576	13-21	007932	25-30

parts catalog...

Part Number	Fig.& Index	Part Number	Fig.& Index	Part Number	Fig.& Index	Part Number	Fig.& Index
007937	53-5	010364	5-24	011431	66-2	012440	30-16
007966	11A-1	010372	32-30	011432	66-3	012443	30-14
007980	32A-25	010378	7-5	011506	64-3	012444	28-5
007982	80-8	010379	7-5	011507	64-10	012449	25-20
007984	47-8	010388	7-11	011518	64-21	012450	25-5
007986	47-7	010389	7-15	011948	38-12	012457	18-23
007988	32A-21	010402	8-25	012095	14-27	012461	68-28
008009	40-29	010405	7-13	012141	10-2	012465	68-23
008024	12-14	010411	7-1	012141	15-14	012467	68-27
008024	36-26	010423	7-8	012145	18-26	012468	68-30
008026	13-20	011010	39-3	012146	18-24	012475	67-18
008029	69-10	011011	40-10	012147	28-10	012476	67-7
008038	1-17	011012	40-6	012150	29-30	012477	67-14
008145	4-27	011013	40-7	012151	29-26	012478	61-6
008150	75-20	011019	27-3	012155	27-9	012478	67-12
008152	75-18	011019	39-28	012161	43-15	012479	59-40
008154	75-19	011024	39-18	012163	43-6	012479	67-6
008156	4-10	011025	39-10	012168	29-35	012482	68-10
008160	75-11	011051	66-10	012170	29-34	012489	68-13
008218	40-20	011052	66-9	012178	29-21	012493	17-9
008220	40-24	011055	51-17	012207	42-51	012537	28-54
008221	39-29	011056	51-18	012228	29-24	012575	15-4
008222	40-31	011066	65-21	012235	30-36	012576	15-12
008224	40-5	011076	66-32	012241	35-22	012577	15-11
008227	40-1	011077	66-24	012242	43-12	012596	18-16
008289	63-23	011079	19-13	012243	26-12	012597	29-10
*008290	63-14	011132	28-41	012244	43-10	012599	29-11
009527	55-25	011133	28-42	012245	36-15	012654	26-2
009530	55-20	011140	43-16	012246	26-1	012655	26-3
009531	55-27	011154	29-20	012254	19-50	012659	28-3
009532	59-1	011176	34-6	*012260	14-23	012660	28-4
009535	59-4	011181	33-11	*012261	14-22	012661	25-17
009536	59-5	011194	35-10	012266	14-21	012673	10-15
009537	59-30	011195	35-9	012268	14-15	012687	30-22
009538	59-10	011199	25-14	012270	14-20	012697	16-14
009540	59-13	011203	15-16	012275	18-14	012705	44-12
009548	43-27	011205	17-2	012275	29-7	012716	31-31
009551	43-25	011206	17-17	012277	32-20	012722	14-35
009553	43-16	011207	17-23	012335	59-37	*012798	15-6
009554	43-24	011208	17-24	012337	59-39	012815	19-49
009558	44-23	011222	25-8	012338	59-38	012827	31-33
009559	44-28	011224	25-9	012341	16-13	012846	40-42
*009650	47-1	011229	51-19	012344	16-12	012848	41-5
009651	47-41	011252	30-27	012347	17-3	012913	63-28
009652	47-40	011253	28-28	012352	16-18	012925	40-34
009662	49-6	011256	30-5	012359	42-33	012926	42-34
009664	49-38	011259	30-29	012360	42-45	012927	42-29
009665	49-4	011262	28-32	*012367	16-6	012944	42-32
009667	44-5	011272	33-22	*012368	16-8	012945	42-49
*009670	47-1	011273	28-23	*012371	16-22	012947	40-39
009671	47-41	011274	30-6	*012375	15-21	012958	3-15
009751	31A -37	011371	11-29	012376	15-23	012959	3-14
009751	31B-11	011371	12A-25	012378	17-6	012960	3-19
009757	31A-34	011371	14A-11	012379	17-18	012961	3-2
009774	31A -1	011371	21-27	012380	17-15	012961	3-18
009777	31A-27	011371	21A-27	*012382	17-10	012962	3-1
009780	31A-7	011371	52-11	*012383	17-12	012963	3-10
009788	31A-6	011371	66-38	012386	16-17	012972	14-43
009791	31B-12	011372	40-37	*012414	15-9	013007	68-34
009794	31B-8	011396	45-21	012415	18-6	013007	68A-4
009796	31A-29	011405	52-8	012418	15-1	013010	68-32
010142	56-37	011409	3-24	012422	11-5	013010	68A-2
010148	11A-2	011410	3-11	012422	11A-7	013262	42-16
010342	7-18	011411	3-5	012438	30-9	013264	42-18

parts catalog...

Part Number	Fig.& Index	Part Number	Fig.& Index	Part Number	Fig.& Index	Part Number	Fig.& Index
013267	2-36	014203	70-39	014390	11A-15	014713	68-8
013287	63-20	014205	47-4	014390	13-24	014721	44-2
013386	11-2	014206	31B-7	014390	23C-39	014727	25-3
013391	16-10	014206	32-5	014390	32-26	014727	37-26
013393	16-11	014206	47-47	014461	85-23	014727	38-15
013413	25-29	014207	22-6	014463	32A-23	014727	49-16
013421	11-1	014208	35-34	014465	28-31	014727	58-5
013434	68-35	014215	18-12	014465	30-11	014727	62-25
013434	68A-5	014215	21A-20	014504	14A-36	014741	19-53
013436	43-13	014215	26-7	014504	31A-18	014741	79-29
013494	36-37	014215	28-46	014504	42-15	014745	12A-14
013495	36-32	014215	31A-5	014504	47-26	014748	44-4
013509	18-21	014215	31A-30	014504	55-32	014750	22-24
013580	3-20	014215	35-37	014504	80-13	014751	65-6
013581	3-21	014215	68-16	014504	84-20	014754	34-3
013582	3-23	014216	34-2	014504	87-28	014757	88A-39
013820	10-14	014219	54-23	014504	88A-28	014760	25-7
013827	53-16	014219	79-14	014507	4-21	014761	79-18
013910	34-21	014225	1-25	014507	9-2	014761	81-14
013913	63-24	014233	64-19	014507	10-4	014770	26-8
013931	35-12	014234	12A-6	014507	15-17	014784	79-7
013932	35-14	014234	30-3	014507	23-38	014788	35-30
013933	35-7	014240	42-43	014507	23B-12	014793	14A-5
013947	66-22	014245	30-32	014510	83-1	014797	4-11
014108	23-16	014247	39-4	014511	38-28	014805	14-13
014108	23A-7	014247	81-19	014513	79-17	014805	14A-31
014108	46-43	014248	8-7	014514	88-33	014805	24-3
014110	29-19	014248	14A-26	014515	12-5	014807	1-36
014110	63-8	014248	22-21	014515	18-5	014807	17-8
014111	30-10	014248	31-17	014515	19-47	014807	27-1
014111	31-36	014248	49-40	014515	24-12	014807	35-33
014111	31B-1	014248	57-10	014515	27-11	014807	36-46
014112	25-16	014248	63-27	014515	35-17	014807	42-36
014121	32-29	014248	85-15	014515	38-33	014807	55-31
014121	48-4	014249	72-19	014515	42-22	014807	62-13
014121	69-11	014250	31-32	014515	49-8	014807	63-1
014136	29-9	014250	31A-17	014515	55-30	014807	74-3
014143	87-31	014266	35-32	014516	31-38	014808	8-23
014149	54-46	014275	35-5	014516	31B-4	014808	12-27
014151	21A-6	014276	40-36	014516	47-35	014808	12A-23
014151	25-11	014311	2-3	014517	32-7	014808	14-9
014151	28-49	014313	43-30	014517	48-22	014808	14-26
014151	43-32	014327	79-25	014518	10-17	014808	18-15
014157	22-9	014342	46-10	014523	13-30	014808	20-15
014157	43-22	014350	12-18	014523	23C-41	014808	25-13
014157	47-45	014350	12A-10	014529	54-34	014808	29-8
014158	18-19	014350	28-39	014570	43-35	014808	35-35
014158	56-20	014350	36A-22	014576	80-19	014808	36A-10
014158	59-19	014350	41-17	014605	14-5	014808	37-1
014164	80-14	014359	70-37	014605	14A-23	014808	37-4
014165	47-2	014369	59-8	014606	36-22	014808	39-36
014169	5-4	014369	61-14	014608	79-20	014808	47-5
014169	9-10	014369	65-33	014618	29-25	014808	49-32
014170	5-5	014372	10-19	014639	85-26	014808	50-1
014171	1-39	014372	11-22	014646	20-8	014808	54-15
014171	45-23	014372	11A-19	014646	21-31	014808	61-18
014172	32-16	014372	12A-11	014646	21A-31	014808	61-20
014172	48-6	014372	23B-3	014653	45-19	014808	62-10
014173	32-13	014372	33-19	014688	21A-13	014808	70-19
014173	48-10	014372	36A-31	014703	5-17	014808	71-21
014174	49-7	014372	59-42	014703	24-31	014808	82-24
014175	68-7	014372	60-18	014703	55-3	014810	23C-26
014180	19-10	014380	25-6	014712	62-16	014810	29-42
014192	44-1	014390	11-25	014712	86-10	014810	53-13

parts catalog...

Part Number	Fig. & Index	Part Number	Fig. & Index	Part Number	Fig. & Index	Part Number	Fig. & Index
014811	3-13	016376	83-3	016528	88-19	017481	36A-43
014811	41-9	016378	62-31	016533	88-20	*017484	46-16
014811	59-7	016380	46-20	016534	88A-27	017485	46-11
014811	61-17	016381	80-1	016535	88A-7	017487	46-11
014811	69-35	*016384	79-1	016536	87-14	017528	2-19
014811	70-3	016385	79-2	016541	38-6	017537	2-5
014811	71-5	016387	79-3	016542	79-24	017539	2-2
014812	70-27	016389	90-1	016543	88-31	017541	2-6
014812	73-29	016390	90-3	016546	89-15	017542	65-18
014812	74-7	016391	81-25	016547	90-15	017542	90-13
014819	23-7	016393	81-15	016558	23C-44	017545	65-1
014819	23A-1	016396	81-24	016572	58-8	017578	37-23
014837	3-4	016397	81-9	016572	88-22	017582	83-12
014844	54-20	016398	81-12	016574	21-38	017589	70-12
014902	14-24	016399	84-9	016574	37-21	017594	66-36
014902	19-26	016401	90-22	016574	54-18	017595	66-35
014902	21A-15	016402	90-23	016574	83-13	017605	2-15
014902	41-11	016405	90-21	016584	88-41	017611	21A-8
014902	46-21	016409	84-15	016585	89-9	017613	21A-11
014902	54-45	*016410	84-19	016588	89-12	017615	21A-12
014909	56-16	*016411	84-17	016690	80-5	017616	21A-5
014910	22-12	016412	84-24	016691	80-7	017618	21A-3
014910	22-14	*016414	84-23	016695	89-18	017619	23B-1
014912	23-10	016416	85-1	016739	38-18	*017620	23B-6
014912	23A-5	016418	85-5	016741	38-11	017622	21A-9
014921	7-16	016421	82-23	016749	87-1	017623	21A-7
014921	20-21	016424	82-30	016783	33-13	017626	23A-18
014921	22-14	016429	79-28	016895	4-1	017627	37-5
014921	44-27	016430	82-20	016896	4-35	017630	21-21
014921	52-2	016431	82-18	016897	67-13	017630	21A-21
014972	32-21	016437	90-11	016897	68-31	017633	19-24
014972	45-14	016438	90-10	016897	68A-1	017636	21A-32
014973	17-11	016441	83-21	016898	68-36	017639	19-54
015034	52-12	016445	89-7	016898	68A-6	017640	19-55
015213	21A-4	016446	89-8	016916	38-4	017644	56-19
015490	8-20	016450	86-3	016918	71-24	017645	56-22
016060	66-13	016450	88-40	016921	42-2	017647	56-28
016158	48-16	016452	86-8	016921	85-20	017676	5-1
016197	7-21	016458	86-22	016933	83-14	017677	5-23
016204	51-20	016459	64-1	016937	19-32	017682	66-1
016205	51-2	016461	86-5	016941	36A-34	017693	21A-35
016206	36-5	016462	86-4	016942	36A-36	017702	21-25
016206	36A-11	016466	86-6	017017	89-14	017702	21A-25
016207	36-6	016466	88-36	017018	2-12	017704	12A-24
016208	89-4	016469	88-23	017018	89-13	017707	11-26
016209	89-3	016470	86-18	017090	2-9	017714	84-1
016210	51-2	016471	86-17	017090	2-13	017715	56-14
016211	51-20	016472	83-19	017092	2-14	017715	84-2
016212	36-5	016477	85-25	017093	2-11	017722	65-24
016213	36-6	016478	88-31	017094	2-41	017734	36A-45
016271	14A-39	016481	85-9	017125	56-39	017735	23-4
016275	14A-9	016486	83-6	017133	59-21	017735	23A-24
016289	40-38	016489	83-9	017134	59-28	017735	32A-3
016298	64-15	016494	83-15	017137	91-5	017735	68-3
016299	82-15	016501	80-11	017140	2-26	017735	68A-13
016315	2-20	016502	81-20	*017150	57-18	017738	54-36
016318	8-2	016504	81-22	017151	56-47	017739	21-17
016327	66-12	016507	81-18	017151	57-13	017739	44-31
016363	81-29	016521	85-13	017159	38-19	017742	46-42
016365	88-39	016524	81-26	017163	4-29	017744	36A-39
016367	79-15	016525	88A-8	017172	2-42	017747	10-3
016368	79-19	016526	88A-10	017477	36A-44	017750	54-35
016374	79-11	016527	87-18	017478	46-37	017783	56-42
016376	79-9	016527	88A-18	017480	46-44	017788	21A-17

parts catalog...

Part Number	Fig. & Index	Part Number	Fig. & Index	Part Number	Fig. & Index	Part Number	Fig. & Index
017793	12-22	021203	37-19	022805	72-14	025092	28-25
017797	4-29	021203	38-37	022810	76-2	025094	28-16
017799	4-14	021203	40-9	022812	77-3	025096	29-28
*017806	54-33	021203	42-14	022813	75-19	025097	28-15
017815	50-11	021203	61-24	022814	75-18	025098	29-1
*017816	50-12	021268	36-11	022816	73-32	025100	29-2
017819	36A-38	021369	85-14	022817	73-8	025101	29-16
017820	10-8	021457	23C-19	022818	78-5	025103	25-1
017820	15-19	021563	28-40	022820	75-34	025104	25-10
017840	44-14	021563	55-33	022822	70-29	025106	25-15
017989	19-1	021563	87-27	022823	70-31	025108	41-10
*017990	19-4	021781	42-20	022824	55-36	025114	41-12
017996	20-18	021861	12-19	022826	71-16	025116	39-8
017996	36-25	021861	12A-9	022830	88A-1	025120	27-5
018014	60-8	021861	35-38	022831	4-8	025120	39-30
018014	67-4	021861	41-18	022833	49-41	025122	42-3
018062	30-38	021861	68-17	022834	6-1	025123	65-11
018062	36A-25	021911	36-34	022836	70-28	025124	36-19
018151	7-8	021911	68-41	022837	45-32	025125	24-11
018314	7-6	021911	68A-8	022838	2-43	025126	24-17
018350	20-13	022343	36A-35	022839	36-38	025127	24-15
018353	20-14	022621	5-12	022844	36-44	025127	38-36
018357	20-17	022621	88A-31	022845	36-45	025129	24-21
018358	20-6	022720	72-0	023042	90-10	025132	24-25
018360	20-5	022727	23C-30	023044	88A-40	025133	67-16
018362	20-7	022728	23C-16	025019	39-0	025134	56-13
018362	21-29	022729	23C-20	025019	40-0	025135	4-13
018362	21A-29	022731	23C-17	025020	72-0	025136	4-23
018364	20-1	022734	23C-42	025023	33-1	025137	4-22
018366	20-11	022736	23C-1	025024	72-0	025138	4-15
018366	21-23	022739	23C-4	025030	31-44	025139	4-20
018368	20-4	022740	23C-12	025032	31-9	025140	4-24
018383	20-11	022743	23C-9	025034	31-5	025141	4-3
018383	21A-16	022743	23C-29	025036	31-25	025142	4-33
018383	21A-23	022744	23C-21	025038	31-28	025147	66-11
018402	59-32	022745	36-40	025043	31-37	025148	59-36
018405	43-29	022746	36-41	025044	31-22	025148	67-1
018469	43-3	022748	36-43	025046	31-19	025151	73-9
018571	69-2	022751	4-13	025047	31-18	025153	73-19
018575	43-18	022752	75-12	025049	31-42	025154	73-14
018577	43-19	022753	4-15	025056	16-1	025156	73-23
018580	43-2	022757	58-30	025056	17-1	025157	73-21
018593	31A -19	022758	58-33	025057	17-19	025158	73-24
018594	31A-14	022759	58-25	025059	16-20	025160	71-18
018595	31A-13	022761	59-30	*025060	16-21	025161	72-9
018596	31A-16	022766	58-12	025062	17-22	025163	72-12
018599	31A-22	022767	58-15	025064	17-16	025166	74-4
018602	31A-9	022770	59-43	025065	17-20	025168	74-16
018603	31A-36	022771	59-17	025067	16-4	025171	24-32
018604	31A-35	022772	58-35	*025068	16-5	025171	75-14
018623	31A-33	022773	58-34	025070	17-5	025173	75-16
018624	31A-38	022777	4-27	025071	16-26	025174	72-31
020138	43-17	022778	58-16	025073	43-24	025175	2-8
020379	36A-20	022779	58-21	025074	43-27	025181	2-34
021150	36-11	022781	23C-46	025075	28-1	025184	2-2
021150	42-9	022783	25-1	025075	29-0	025187	2-11
021203	14A-34	022783	32A-20	025075	30-0	025188	2-38
021203	19-18	022788	59-16	025076	30-18	025191	45-15
021203	23-46	022796	4-24	025079	28-50	025192	67-19
021203	23B-21	022797	4-6	025082	28-47	025194	69-33
021203	24-2	022800	76-7	025084	28-51	025195	67-15
021203	29-14	022801	78-4	025086	30-1	025195	68-11
021203	31A-25	022802	38-39	025088	28-36	025197	27-7
021203	34-4	022803	73-9	025090	28-43	025198	19-41

parts catalog...

Part Number	Fig. & Index	Part Number	Fig. & Index	Part Number	Fig. & Index	Part Number	Fig. & Index
025200	34-10	025322	78-4	025446	33-3	040868	15-18
025201	34-19	025323	78-5	025447	33-4	041291	40-17
025203	34-17	025324	78-6	025448	73-10	041291	53-15
025204	34-18	025329	70-25	025450	72-35	041750	80-6
025206	34-15	025332	74-15	025453	75-30	041774	30-34
025207	34-1	025337	74-2	025455	75-32	041774	49-35
025208	34-7	025341	42-24	025456	73-9	041776	22-1
025210	33-24	025343	18-1	025459	2-39	041776	58-10
025216	33-15	025344	41-20	025468	31-6	041776	79-4
025220	33-14	025345	27-8	025470	8-15	041777	18-10
025224	33-21	025346	14-40	025470	64-16	041777	37-17
025225	33-17	025347	19-42	025472	8-13	041777	53-18
025226	33-8	025348	18-20	025474	8-32	041777	56-11
025228	33-10	025350	65-16	025475	2-16	041821	69-5
025229	33-7	025353	69-7	025476	73-19	042150	28-9
025231	33-16	025354	69-8	025478	76-2	043097	14-12
025233	33-6	025355	65-28	025479	76-1	043097	14A-32
025234	33-26	025357	4-4	025480	74-8	043097	24-4
025237	38-7	025358	4-5	025481	73-30	050435	58-11
025238	14-29	025359	4-19	025481	74-6	050621	63-10
025240	15-3	025361	73-16	025496	69-6	050621	82-26
*025241	15-5	025362	89-18	025499	77-6	052218	26-16
025243	25-26	025363	4-8	025512	74-25	053184	31-41
025244	10-10	025364	2-39	025522	2-1	054147	56-40
025247	11-20	025365	75-4	025525	4-6	054350	83-7
025249	14-1	025366	88A-35	025527	70-28	054409	19-19
025254	87-7	025367	75-12	025528	2-32	054479	69-1
025255	87-8	025370	4-7	025529	76-6	*055535	23B-10
025256	87-30	025372	72-30	025530	74-12	057507	14A-24
025257	87-10	025373	25-21	025531	74-11	058552	62-1
025258	19-24	025375	24-35	025532	74-10	059018	35-41
025260	19-1	025377	7-1	025536	2-37	061452	38-26
*025261	19-5	025378	7-11	025538	75-23	061452	63-2
025264	23-35	025380	7-13	025539	75-23	062704	40-18
025268	37-13	025381	11-7	025543	68-19	063087	12A-15
025270	23-34	025382	11-8	025544	77-5	063117	30-15
025273	24-33	025384	6-1	025545	77-4	063206	12A-12
025282	72-33	025386	6-15	025558	89-18	063206	28-8
025286	75-2	025387	6-4	025559	89-18	064059	10-24
025289	72-28	025389	70-20	025670	75-18	064112	62-7
025291	72-23	025390	70-23	025671	75-34	064189	11-10
025292	72-16	025391	71-15	025676	75-34	064189	11A-12
025293	72-8	025392	70-14	027291	32A-22	064234	36A-18
025295	73-11	025395	87-33	028797	25-32	064234	62-8
025295	75-25	025396	76-8	031307	12-1	064589	36A-2
025296	75-10	025401	65-31	031307	28-29	064590	56-24
025298	75-33	025406	9-7	031748	39-34	064673	24-38
025300	70-31	025407	9-17	032868	6-6	064673	38-35
025301	71-17	025408	9-13	032868	8-26	064673	49-34
025302	70-30	025409	9-14	032868	28-33	064673	71-22
025303	46-40	025410	72-8	039642	14-31	064673	88A-41
025303	71-16	025411	8-18	039642	21-19	064674	42-8
025305	70-29	025412	9-1	039642	23-5	064764	9-16
025308	74-17	025413	9-6	039642	23A-25	065329	70-6
025309	74-23	025414	9-5	039642	32A-2	066238	5-9
025310	76-2	025417	4-27	039642	44-32	066763	41-13
025311	76-7	025419	76-7	039642	54-37	070125	14A-25
025312	77-1	025420	77-3	039642	66-40	*070226	47-15
025314	77-2	025421	74-17	039642	68-5	071556	58-12
025315	76-5	025423	8-24	039642	68A-15	071561	49-26
025316	77-3	025425	73-3	040782	14-10	071566	14A-22
025317	78-1	025431	82-13	040782	14A-17	071567	14A-21
025319	78-2	025441	73-8	040782	40-35	071570	61-13
025321	78-3	025445	68-26	040868	10-6	071576	57-20

parts catalog...

Part Number	Fig. & Index	Part Number	Fig. & Index	Part Number	Fig. & Index	Part Number	Fig. & Index
071576	66-18	072220	58-9	072442	60-26	*072790	55-7
071576	84-12	072230	55-16	072442	61-7	072795	2-13
071594	23B-2	072233	55-12	072471	56-6	072796	5-19
071596	36A-14	072239	55-17	072472	56-7	072821	67-17
071606	36A-15	072243	55-11	072478	52-19	072821	69-14
071610	36A-23	*072245	60-12	072481	52-18	072822	69-29
071611	36A-6	072254	61-2	072482	52-21	072826	69-32
*071625	46-23	072254	67-5	072482	54-30	072838	69-13
*071648	23B-9	072256	68A-12	072484	53-19	072840	69-12
*071649	23B-7	072257	68A-11	072488	54-27	072852	69-16
072024	66-16	072258	6-3	072491	54-29	072854	69-20
072029	66-4	072260	69-18	072504	56-12	072855	69-25
072035	57-19	072261	69-15	072511	1-15	072862	42-46
072035	84-11	072262	69-17	072511	37-16	072919	69-22
072036	84-14	072264	69-19	072511	52-16	072920	69-23
072037	66-17	072265	69-24	072512	56-10	073004	13-37
072040	37-27	072271	23-11	072534	55-21	073011	13-1
*072041	57-17	072271	23A-3	072544	5-10	*073012	13-4
*072044	66-27	072272	23-9	072544	56-23	*073014	13-3
072051	8-8	072272	23A-4	072561	53-3	073029	23-47
072052	11-30	072277	23A-28	*072574	57-6	073029	23B-19
072052	12A-26	072278	23A-27	072575	57-8	073043	19-36
072052	14A-10	072292	1-20	072576	56-29	073091	19-14
072052	21-26	072314	62-4	072579	56-31	073094	19-12
072052	21A-26	072325	62-17	072580	56-27	073097	23-23
072052	52-10	072327	62-36	072586	56-25	073097	23A-16
072052	66-37	072328	62-14	072589	56-8	073098	23-22
072055	51-11	072333	46-27	072599	57-11	073098	23A-15
072056	51-12	072333	62-26	*072605	46-18	073107	19-28
072063	66-19	072336	46-20	072610	53-7	073107	36A-3
072064	66-30	*072337	46-25	072620	20-10	073108	13-52
072069	66-15	*072338	46-24	072620	21-40	*073116	13-46
072070	66-14	072347	63-9	072620	21A-40	073120	19-11
072077	57-21	072349	36-4	072620	56-44	073123	19-9
072099	59-16	072354	49-25	072621	56-32	073140	36-9
072106	59-17	072357	37-9	072625	19-23	073152	13-39
072124	58-24	072357	49-27	072625	28-26	073193	13-23
072124	58-28	072358	37-10	072626	53-14	073234	13-57
*072125	58-27	072358	49-28	072628	62-22	*073246	14A-14
072126	58-6	072362	49-17	072629	62-23	073248	14-4
072129	37-32	072366	47-18	*072636	57-5	073248	14A-19
*072134	59-23	072367	37-29	072655	45-22	073250	14-3
*072136	59-25	072367	47-17	072704	61-16	073250	14A-20
072143	59-29	072367	49-20	*072710	60-2	073252	14A-18
072143	67-9	072369	37-31	072712	60-7	073308	10-5
072154	58-1	072370	37-13	*072717	60-14	073316	23-19
072161	69-21	072373	37-15	*072720	60-16	073316	23A-13
*072169	50-15	072378	49-39	072734	61-28	073316	23C-2
072175	54-7	072382	54-19	072741	67-8	073326	31-15
072175	55-9	072383	54-25	072741	68-6	073327	23-17
072176	54-6	072386	37-22	072741	68A-10	073327	23A-11
072176	55-8	072394	32-10	072748	60-19	073330	36-3
072177	55-5	072398	36-15	072756	9-4	073333	54-26
072181	45-30	072399	32-19	072757	5-2	073336	23-30
072181	46-5	072412	61-21	072757	9-8	073338	13-12
072184	62-20	072412	71-20	072763	2-8	073338	23-14
072186	54-16	072413	49-23	072763	9-11	073339	13-44
072189	55-14	072416	32-17	072765	5-7	073373	56-2
072197	1-28	072424	36-16	072767	5-6	073381	56-4
072199	54-12	072427	54-22	072774	5-16	073385	1-22
072201	54-14	*072441	47-16	072775	5-21	073394	1-1
072205	54-43	072442	37-25	072784	5-20	073417	69-31
072207	54-42	072442	49-14	*072787	46-14	073443	23A-17
072210	55-15	072442	55-35	*072790	54-5	073444	23-25

parts catalog...

Part Number	Fig. & Index	Part Number	Fig. & Index	Part Number	Fig. & Index	Part Number	Fig. & Index
073445	23A-6	076124	23-15	078712	47-39	080505	11A-13
073446	23-24	076142	61-5	078714	44-17	080522	45-10
073447	23-26	076142	67-20	078728	48-9	080524	11-4
073448	23-27	076142	68A-19	*078729	47-14	080524	11A-6
073459	63-5	076194	13-18	078744	47-25	080536	10-7
073463	1-38	076218	22-26	078744	54-10	080539	10-21
073464	1-40	076386	23-44	079613	75-28	080541	10-22
073467	1-21	076386	23B-17	079764	42-26	080564	80-12
073469	1-23	076481	23-8	079764	71-1	080581	10-14
073472	1-24	076481	23A-2	079905	22-13	080583	10-9
073473	66-6	076605	54-38	079912	19-3	080583	15-15
073478	60-4	076684	63-33	080032	52-20	080591	11-21
073482	22-7	*076727	19-6	080144	56-21	080591	11A-18
073486	60-25	076734	21-39	080153	54-31	080599	11-24
073487	39-27	076734	21A-39	080184	53-2	080599	11A-16
073487	59-41	076835	8-21	080191	45-12	080621	48-8
073487	67-2	076856	44-26	080192	62-35	080630	21-35
073493	61-22	076869	8-10	080238	31A-32	080634	21-37
073494	61-27	076882	42-11	080241	25-19	080634	21A-37
073496	61-12	076882	60-22	080247	45-18	080694	13-27
073497	61-10	076887	1-37	080263	13-32	080694	23C-32
073498	61-19	076887	55-19	080263	23C-38	080695	13-34
073512	20-16	076889	1-34	080295	13-8	080695	23C-36
073524	12-20	076890	1-31	*080297	13-47	080698	13-31
073540	10-27	076893	1-18	080298	13-48	080698	23C-40
073542	10-26	076894	60-24	080299	13-49	080699	13-33
073544	8-22	076897	7-9	*080317	13-51	080699	23C-37
073551	32A-11	076898	8-3	Q80334	57-1	080715	32-24
073551	50-13	077117	63-22	*080336	57-15	080716	32-23
073710	22-11	077236	63-21	080337	57-7	080717	32-25
073712	59-20	077301	32A-19	080349	19-38	080718	44-21
073894	22-5	077301	50-8	080376	45-25	080719	43-21
074313	39-11	077459	19-29	080376	46-3	080814	31-39
074314	39-20	077822	29-40	080378	46-9	080814	31B-5
074323	36-21	077836	31A-21	080396	52-1	080814	47-36
074324	36-7	077836	32A-18	*080397	52-4	080820	31B-6
074324	36A-12	077836	50-6	*080400	52-3	080820	32-6
074375	33-12	077866	63-19	080402	52-14	080839	3-9
074375	36-14	077939	31-2	080404	52-5	080839	39-16
074400	58-14	078301	58-15	080407	53-12	080910	31-40
074717	8-16	*078337	32A-9	080408	53-9	080910	31B-13
075039	12-11	078338	32A-4	080409	52-7	080911	32-11
075058	12-6	078346	32-32	080410	53-10	080952	37-5
075074	35-26	078363	38-27	080411	59-31	080956	32-27
075074	42-23	078363	63-4	*080414	46-12	080972	32-2
075443	70-33	078364	63-18	080433	22-16	080979	11A-20
075537	36A-24	078367	63-16	080447	32-28	081037	48-20
075643	12-21	078368	63-3	080447	48-11	081104	47-22
075644	12-26	*078445	46-23	080448	32A-7	081106	47-30
075644	36A-1	078520	44-9	080448	50-17	081107	82-25
075645	12-7	078520	47-37	080449	32A-10	081152	52-9
075836	56-34	078524	44-15	080449	50-18	081156	37-6
075883	1-11	078527	44-6	080452	32A-16	081321	42-17
075884	1-8	078541	44-25	080452	50-7	081515	90-2
075885	1-9	078542	44-24	080473	22-17	081516	90-4
075887	1-3	078551	44-4	080481	68-33	081527	81-4
075888	1-6	078552	43-28	080481	68A-3	081528	81-3
075890	1-2	078556	43-23	080486	48-13	081553	81-28
075931	22-19	078626	12A-21	080495	48-3	081553	85-4
075987	22-3	078628	12A-3	080496	48-1	081553	86-7
075991	22-22	078638	12A-7	080498	48-15	081553	88-35
*076084	46-17	078646	12A-18	080504	10-18	081567	85-28
076100	47-42	078660	12A-22	080505	10-20	081575	85-12
076122	31-35	078669	12A-8	080505	11-23	081597	83-10

parts catalog...

Part Number	Fig. & Index	Part Number	Fig. & Index	Part Number	Fig. & Index	Part Number	Fig. & Index
081604	85-16	087814	2-8	100647	44-34	101151	24-27
*081607	57-3	087830	2-19	100648	45-6	101170	65-15
081609	85-8	091045	42-50	100649	44-33	101195	3-8
081623	81-6	091151	39-33	100653	12A-5	101203	65-7
081720	84-21	091151	42-50	100653	31B-2	101234	42-40
081762	80-18	100110	42-27	100657	8-5	101281	84-22
081764	80-15	100110	50-22	100657	36A-28	101291	43-14
081789	83-2	100119	66-29	100666	64-6	101330	35-8
081833	85-27	100122	29-17	100678	59-6	101332	19-16
081836	81-7	100130	47-21	100683	73-28	101333	23-36
082050	11-9	100131	32-31	100683	74-24	101333	45-16
082050	11A-9	100134	41-7	100701	58-13	101333	46-22
082057	32-3	100134	70-2	100704	39-15	101334	39-32
082103	44-13	100134	71-8	100731	82-14	101336	42-38
082128	47-46	100137	71-23	100738	43-8	101374	72-11
082129	48-18	100137	88A-36	100740	38-16	101398	73-17
082131	47-29	100141	32-1	100741	23A-19	101494	2-21
082135	47-33	100167	31B-10	100813	31-24	101494	8-1
082172	44-20	100176	32-22	100814	12A-20	101494	82-12
082421	12A-13	100177	1-12	100815	12A-4	101554	28-45
083168	73-18	100185	45-13	100815	30-2	101558	14-39
083316	45-3	100188	3-6	100820	12-8	101570	4-18
083317	45-8	100201	31B-9	100827	36A-40	101611	60-23
083388	73-18	100216	33-23	100835	74-14	101612	27-17
083392	65-3	100228	4-16	100857	32-12	101757	31-27
083393	65-8	100228	70-13	100860	29-43	101758	4-25
083394	65-14	100246	31-23	100863	21A-28	101760	9-12
083412	73-2	100296	48-19	100871	15-2	101773	27-10
083594	23C-14	100335	3-7	100871	90-9	101869	65-12
083648	2-40	100347	70-26	100878	15-22	101870	11A-23
083748	75-22	100347	78-8	100880	28-19	101876	32A-6
084059	34-5	100366	88A-26	100884	28-56	101887	69-3
084077	35-4	100367	29-41	100891	37-11	101899	90-6
084117	31-34	100369	12-9	100891	49-31	101900	90-8
084126	2-35	100388	63-31	100892	16-15	101901	90-5
084143	41-4	100392	43-26	100939	73-17	101913	65-19
084225	31-13	100398	63-32	100940	69-27	101921	91-2
084238	35-18	100400	14-2	100957	35-23	101922	91-4
084239	35-36	100442	41-3	100958	31-4	101938	82-35
084244	35-28	100442	68-21	100960	70-11	101938	84-26
084248	60-10	100450	3-16	100960	82-29	101938	86-13
084279	26-11	100483	12-10	100966	57-2	101941	89-6
084289	36-35	100483	59-33	100969	23-42	101942	89-5
084291	36-36	100485	2-25	100969	23B-16	101943	90-12
084353	24-28	100490	26-13	100969	23C-48	101944	6-2
084407	36A-37	100490	38-22	100969	82-33	101944	87-9
084412	13-9	100507	35-42	100969	88-37	101944	88-9
084413	13-5	100508	43-20	100976	80-4	101944	88A-9
084418	12-25	100521	82-32	101001	25-12	101947	81-21
084421	19-21	100523	87-34	101005	63-29	101961	87-6
084422	19-20	100523	90-7	101007	28-2	101976	8-12
084461	33-20	100539	87-29	101020	28-13	101976	64-17
084462	33-18	100539	88A-29	101023	86-2	101978	73-31
084473	66-31	100554	15-7	101033	23A-29	101981	2-22
087266	66-14	100554	23-37	101051	13-50	101982	2-23
087496	13-41	100554	31-10	101051	30-31	101983	7-20
087702	89-9	100554	58-17	101051	32A-14	110002	71-29
087705	89-12	100576	19-34	101051	50-3	110002	88A-33
087729	72-14	100579	1-13	101086	12-23	110035	74-21
087756	71-19	100582	34-14	101086	13-10	110035	75-3
087756	88A-30	100583	1-7	101112	72-15	110246	3-12
087808	2-8	100593	39-35	101144	2-7	111006	6-9
087809	2-34	100593	70-34	101144	89-10	111006	8-29
087811	2-34	100646	45-7	101145	89-11	111006	24-23

parts catalog...

Part Number	Fig. & Index	Part Number	Fig. & Index	Part Number	Fig. & Index	Part Number	Fig. & Index
111006	25-39	111068	14A-16	150083	44-11	150089	89-1
111006	87-12	111068	23-45	150083	44-19	154078	14A-40
111011	7-20	111068	23B-20	150083	45-17	154078	38-27
111011	72-27	111070	2-27	150083	46-2	154078	42-10
111033	24-16	111070	7-3	150083	49-2	181019	25-34
111033	38-23	111071	42-35	150083	52-13	181206	41-1
111033	49-3	111073	11-15	150083	54-47	190103	14-6
111033	55-34	111073	11A-24	150083	60-21	190103	14A-29
111033	72-10	111073	13-6	150083	61-11	190107	47-31
111033	73-15	111073	43-5	150083	62-3	190110	54-9
111033	74-19	111073	51-13	150083	64-9	190111	47-12
111033	75-1	111073	58-2	150083	65-27	190116	51-23
111034	8-14	111073	65-23	150083	79-10	190118	14-7
111034	9-15	111073	66-7	150083	81-1	190118	14A-28
111034	68-24	111073	68-1	150083	83-5	190129	65-20
111034	75-17	111073	68A-17	150083	88-24	190135	26-6
111035	55-10	111073	74-1	150083	88A-24	190135	47-23
111035	73-27	111073	90-20	150085	1-4	190137	31A-2
111035	87-16	111074	11A-25	150085	1-27	190148	37-2
111035	89-24	111074	12-24	150085	6-17	190149	19-52
111036	38-32	111074	13-11	150085	7-4	190149	23C-5
111036	51-10	111074	23C-15	150085	8-4	190149	29-38
111036	73-13	111074	46-7	150085	11-16	190149	47-34
111036	75-27	111074	58-7	150085	11A-26	190149	54-2
111051	20-3	111074	65-4	150085	12-16	190149	55-4
111051	24-18	111075	1-26	150085	12A-2	190157	81-8
111051	36-42	111076	13-54	150085	13-7	190179	45-9
111051	73-22	111077	12-15	150085	14A-7	190220	81-23
111051	75-29	111077	13-56	150085	19-8	190236	43-34
111052	16-16	111079	13-55	150085	23-29	190254	19-40
111052	17-21	111087	79-6	150085	23A-9	190254	22-23
111052	70-21	111089	11-14	150085	23C-11	190329	31A-15
111052	82-22	111089	51-22	150085	24-20	190329	56-43
111052	86-23	111089	66-20	150085	29-29	190382	23-39
111052	88-30	111089	69-4	150085	32A-12	190382	23B-13
111053	19-56	111089	90-16	150085	36-13	190383	23-40
111053	42-41	111091	65-4	150085	37-24	190383	23B-14
111053	65-25	111098	38-30	150085	39-7	190387	13-19
111054	4-32	111099	36-30	150085	49-21	190394	14-38
111054	8-11	112652	4-30	150085	50-9	190398	69-28
111054	36-10	122502	59-35	150085	51-14	190483	38-17
111054	49-10	130033	15-8	150085	52-6	190555	6-12
111054	79-23	130033	18-17	150085	54-13	190555	7-17
111054	82-28	130033	59-15	150085	55-22	190555	8-28
111054	83-4	140023	39-9	150085	56-26	190555	24-26
111055	1-32	141573	50-14	150085	60-27	190555	25-36
111055	8-33	149319	83-11	150085	61-4	190555	72-24
111055	22-18	149329	33-9	150085	63-11	190555	87-15
111055	42-25	149344	28-53	150085	65-2	190557	7-18
111055	44-18	149344	58-26	150085	66-8	190557	25-38
111055	45-20	149385	57-14	150085	91-7	190601	40-43
111055	46-1	150050	42-31	150087	35-16	190631	36A-9
111055	60-20	150080	81-17	150087	39-24	190699	91-3
111055	62-2	150081	4-34	150087	66-34	190713	19-46
111055	79-8	150081	38-31	150087	69-9	190713	24-13
111055	88-21	150081	51-8	150087	90-17	190713	38-34
111057	44-10	150081	72-17	150088	62-19	190713	49-9
111058	8-9	150081	87-17	150089	32-33	190713	55-29
111058	85-18	150081	89-23	150089	36-33	190731	7-17
111059	63-30	150083	6-16	150089	38-29	190768	37-3
111060	8-19	150083	8-17	150089	48-5	190768	50-2
111060	81-2	150083	19-31	150089	53-8	191034	36A-5
111060	88-26	150083	40-12	150089	54-8	191132	40-30
111060	88A-26	150083	42-4	150089	62-38	191173	11-17