

Form 20420

(1149)

Printed in U. S. A.

LIST OF PARTS



MACHINE No. 246-4

**** A TRADE MARK OF**

THE SINGER MANUFACTURING COMPANY

INSTRUCTIONS FOR OILING

To ensure easy running and prevent unnecessary wear of the parts which are in movable contact, the machine requires oiling. Check the oil gauge daily before starting the machine and maintain the oil level at the midpoint of the gauge. To oil the machine, apply "TYPE A" OIL, sold only by Singer Sewing Machine Company, to the filler cup on top of the machine, as instructed in Form 20250.

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INSTRUCTIONS FOR ORDERING

In ordering from this list, use **ONLY** the part **NUMBER** in the **FIRST** Column.

The number stamped on a Sewing Machine Part is in every case the number of the single part only.

Every combination of parts sent out as such has its specific number, which, although not stamped on the parts, must be used when ordering the combination.

Each number always indicates the **SAME PART** in whatever list it appears, or for whatever machine.

The letters after some of the numbers indicate the style of finish only, as follows:

A-Hardened, Polished, Nickel Plated and Buffed.

A.A-Buffed and Chromium Plated.

A.B-Hardened, Polished, Buffed and Chromium Plated.

A.C-Brown Baking Enamel Finish.

A.D-Gray Baking Enamel Finish.

A.E-Hardened, Bright Rumbled and Nickel Plated.

A.F-Hardened, Bright Rumbled, Nickel Plated, Bright Rumbled and Chromium Plated.

A.G-Alumilite, Plain.

A.H-Alumilite Dyed.

A.J-Polished, Nickel Plated and Chromium Plated.

A.K-Hardened, Polished, Nickel Plated and Chromium Plated.

A.L-Heat Treated for Toughness.

B-Polished, Nickel Plated and Buffed.

C-Hardened only.

C.R-Hardened and Merlized.

D-Polished Only.

E-Soft, Not Polished.

F-Hardened and Polished.

F.J-Hardened, Polished and Nickel Plated.

G-Bright Rumbled and Nickel Plated.

H-Blued.

J-Nickel Plated Only.

K-Hardened and Nickel Plated.

L-Brass Plated.

M-Oxidized.

N-Japanned, Dull.

INSTRUCTIONS FOR ORDERING - Continued

- P-Japanned, Bright.
- P.P-Wrinkle Finish.
- R-Merlized.
- S-Cadmium Plated.
- T-Copper Plated.
- T.A-Hardened, Polished, Copper and Nickel Plated and Buffed.
- T.B-Copper and Nickel Plated and Polished.
- T.J-Copper and Nickel Plated Only.
- T.K-Hardened, Copper and Nickel Plated.
- T.L-Copper and Brass Plated.
- T.M-Copper Plated and Oxidized.
- U-Zinc Plated.
- V-Silver Plated.
- W-Polished and Nickel Plated.
- X-Black Oxide, for Iron and Steel.
- X.C-Hardened and Black Oxide, for Iron and Steel.
- Y-Black Nickel Plated Only.
- Z-Chromium Plated.
- Z.A-Hardened, Polished, Nickel Plated, Buffed and Chromium Plated.
- Z.B-Polished, Nickel Plated, Buffed and Chromium Plated.
- Z.C-Hardened and Chromium Plated.
- Z.D-Polished and Chromium Plated.
- Z.G-Bright Rumbled, Nickel Plated, Bright Rumbled and Chromium Plated.
- Z.J-Nickel and Chromium Plated.
- Z.T-Copper and Chromium Plated.

These letters **MUST BE USED** when they appear in the list; and **AFTER** the number as in the list.

In this series:

1 to 1500, 50001 to 51500 and 140001 to 142000 are
Screw Numbers.

1501 to 1800 and 51501 to 51800 are Nut Numbers.

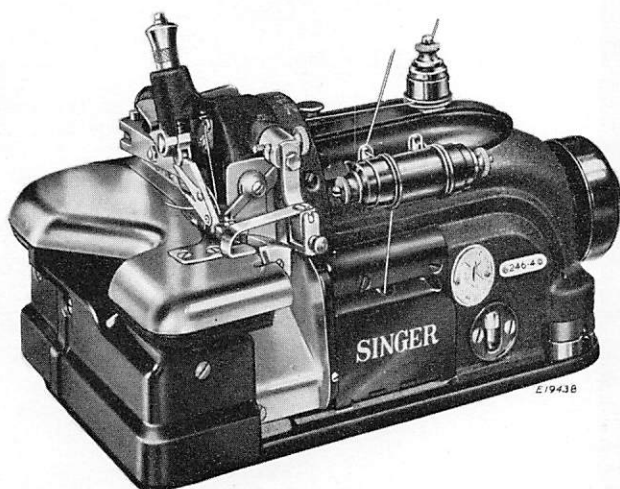
1801 to 2000 and 51801 to 52000 are Roller Numbers.

2001 to 50000 and 52001 to 140000 and 142001 to 190000
are Sewing Machine Parts, 190001 and upward are numbers
of Electrical Parts.

The figures in the second column refer only to the plates,
illustrating the parts, and are **NOT TO BE USED** in ordering.

Parts marked with an asterisk (*) are furnished only when repairs
are made at factory.

LIST OF PARTS COMPLETE
FOR



MACHINE No. 246-4

FOR TRIMMING OVEREDGING AND BLIND STITCH
HEMMING OR WELTING, RAYON, KNIT GOODS ETC.

ONE NEEDLE, ONE LOOPER. TWO-THREAD OVEREDGE
STITCH. GATHERING FEED. TRIMMER.

SPEED 5500, DEPENDING ON MATERIALS USED AND OPERATIONS
PERFORMED.

No.	Plate	Name
164234	24757	Blind Stitch Hemming Attachment Ad- justing Slide (cylindrical).....
140456K	24757	Blind Stitch Hemming Attachment Ad- justing Thumb Screw.....
140457J	24757	Blind Stitch Hemming Attachment Ad- justing Thumb Screw Locking Screw.....
164235	24757	Blind Stitch Hemming Attachment Hinge Bracket.....
164236	24757	Blind Stitch Hemming Support.....
164237	24757	Blind Stitch Hemming Attachment Sup- port complete, Nos. 140456K, 140457J, 140458C, 164234, 164235, 164236 and 164238.....
164238	24757	Blind Stitch Hemming Attachment Sup- port Cap.....
1259AL	24757	Blind Stitch Hemming Attachment Sup- port Set Screw.....
140458C	24757	Blind Stitch Hemming Attachment Thumb Screw.....

No.	Plate	Name
164347	24753	Chain Cutter.....
51362AL	24753	" " Screw (2).....
164001	24751	Chip Guard.....
1209J	24751	" " Screw (lower).....
140509J	24751	" " " (upper).....
164240	24751	Cloth Plate.....
164239	24751	" " Extension.....
914J	24751	" " " Screw (2).....
164205	24751	" " Lock Spring.....
1700J	24751	" " " " Nut.....
1250AL	24751	" " " " Screw Stud..
164104	24751	" " Plunger.....
164105	24751	" " " Spring.....
624AL	24751	" " " Set Screw.....
164106	24751	" " Position Collar with two 624AL.....
624AL	24751	Cloth Plate Position Collar Set Screw (2).....
164241	24751	Cloth Plate with Extension complete, Nos. 1700J, 164205, 164239, 164240 and two 914J.....
164003	24752	Feed Bar Hinge Pin (eccentric).....
1389C	24752	" " " " Set Screw.....
164004	24752	" " Slide Block (back) (2).....
1628C	24752	" " " " " Nut.....
17022	24752	" " " " " " Washer.....
164005	24752	Feed Bar Slide Block (front).....
164016	24752	" (back) Bar with 164010.....
164017	24752	" " " Connection.....
164008	24752	" " " " Bearing..
164009	24752	" " " " Hinge Screw Stud.....
1671C	24752	Feed (back) Bar Connection Hinge Screw Stud Nut.....
164010	24752	Feed (back) Bar Connection Hinge Screw Stud Nut Position Pin..... Feed (back) Dog complete (See Set of Fittings complete, Page No. 19 and Page No. 20
1454F	24758	Feed (back) Dog Screw.....
164020	24752	" " Eccentric.....
	Note:	Feed (back) Eccentric No. 164020 is furnished in 6 to 16, 18, 20, 22, 24, 28, 32 and 36 stitches to the inch, unless otherwise stated No. 164020 (14 stitches to the inch) is supplied reg- ularly.
164006	24752	Feed (front) Bar with 164010.....
164007	24752	" " " Connection.....
164018	24752	" " " " Bearing.
164009	24752	" " " " Hinge Screw Stud.....
1671C	24752	Feed (front) Bar Connection Hinge Screw Stud Nut.....
164010	24752	Feed (front) Bar Connection Hinge Screw Stud Nut Position Pin.....

No.	Plate	Name
164208	-----	Feed (back) and (front) Bars complete, Nos. 164005, 164006, 164007, 164008, 164016, 164017, 164018 and two each 1671C, 164004 and 164009.....
		Feed (front) Dog (See Set of Fittings complete, Page No. 19 and Page No. 20.....)
1454F	24758	Feed (front) Dog Screw.....
164020	24752	" " Eccentric.....
	Note:	Feed (front) Eccentric No. 164020 is furnished in 6 to 16, 18, 20, 22, 24, 28, 32 and 36 stitches to the inch, unless otherwise stated No. 164020 (14 stitches to the inch) is supplied regularly.
164398	24752	Feed Eccentric Cover.....
164399	24752	" " " Bracket.....
157C	24752	" " " " Screw..
629K	24752	" " " Hinge Screw....
164401	24752	" " " Latch Spring...
227J	24752	" " " " " "
		Screw (2).....
164023	24752	Feed Eccentric Oil Wick.....
164402	24752	Feed Eccentric Cover complete, Nos. 629K, 164023, 164398, 164399, 164401 and two 227J.....
164025	24755	Feed Lifting and Knife (movable) Eccentric.....
164026	24753	Knife (movable) (2).....
164027	24753	" " Clamp.....
140050C	24753	" " " Screw.....
164028	24753	" " Guard.....
164029	24753	" " Holder.....
198J	24753	" " " Screw.....
164030	24753	" " " " Bearing
164031	24753	" " Lever with 620AL....
164211	-----	" " " 164031 with 132583, 164035, 164136 and 164153.....
164032	24753	Knife (movable) Lever Bearing.....
50421AL	24753	" " " " Set
		Screw (long).....
624AL	24753	Knife (movable) Lever Bearing Set
		Screw (short).....
164246	24757	Knife (movable) Lever Cover and Presser Bar (upright) Housing with 1259AL.....
50073J	24757	Knife (movable) Lever Cover and Presser Bar (upright) Housing
		Screw (2).....
164247	-----	Knife (movable) Lever Cover and Presser Bar (upright) Housing complete, Nos. 50060K, 164137, 164138, 164139, 164142, 164143, 164144, 164194 and 164246.....

No.	Plate	Name
164180	24753	Knife (movable) Lever Guide.....
164181	24753	" " " " Holder with two 140239AL.....
164210	24753	Knife (movable) Lever Guide Holder 164181 with 197J, 164177, 164180 and 164182.....
140239AL	24753	Knife (movable) Lever Guide Holder Set Screw (2).....
164182	24753	Knife (movable) Lever Guide Holder Thread Tube.....
50421AL	24753	Knife (movable) Lever Guide Holder Thread Tube Set Screw.....
197J	24753	Knife (movable) Lever Guide Screw...
132583	24753	" " " Hinge Pin with 132584.....
132584	24753	Knife (movable) Lever Hinge Pin Oil Wick.....
620AL	24753	Knife (movable) Lever Hinge Pin Set Screw.....
164034	24753	Knife (movable) Lever Hinge Stud....
164035	-----	" " " " "
164036	24753	164034 with 164036 and 164269... Knife (movable) Lever Hinge Stud Oil Wick (long).....
164269	-----	Knife (movable) Lever Hinge Stud Oil Wick (short).....
50421AL	24753	Knife (movable) Lever Hinge Stud Set Screw (back).....
1143AL	24753	Knife (movable) Lever Hinge Stud Set Screw (top).....
164037	24753	Knife (stationary) (2).....
164038	24753	" " Clamping Stud....
51715AL	24753	" " " " Nut
164039	24753	" " Holder.....
164040	24753	" " Adjusting Stud.....
1454E	24753	Knife (stationary) Holder Adjusting Stud Cap Screw.....
39541	24753	Knife (stationary) Holder Adjusting Stud Cap Screw Washer.....
164041	24753	Knife (stationary) Holder Cap.....
164042	24753	" " " Sleeve....
140088R	24753	" " " "
59456	24753	Screw..... Knife (stationary) Holder Sleeve Screw Washer.....
164043	24753	Knife (stationary) Holder Spring....
164044	24753	" " " " Re- tainer.....
1454J	24753	Knife (stationary) Holder Spring Re- tainer Screw.....
164045	24754	Looper.....
164046	24754	" Carrier with 460AL, 50379F and 164202.....
164047	24754	Looper Carrier Holder with two 140393AL.....

No.	Plate	Name
164212	-----	Looper Carrier Holder 164047 with 1324C, 59456 and 164046.....
140393AL	24754	Looper Carrier Holder Set Screw (2).
1324C	24754	" " Screw.....
460AL	24754	" " " Set Screw.....
59456	24754	" " " Washer.....
164048	24754	" Driving Shaft.....
164049	24754	" " " Bushing (back).
140394E	24754	" " " " " "
		Cap Screw.....
164293	24754	Looper Driving Shaft Bushing (back) Cap Screw Washer (fiber).....
164050	24754	Looper Driving Shaft Bushing (front)
164051	24754	" " " Crank with 1083C.....
1083C	24754	Looper Driving Shaft Crank Clamping Screw.....
164052	24755	Looper Driving Shaft Crank Connec- tion with two each 171AL and 140159AL.....
164215	-----	Looper Driving Shaft Crank 164051 with 164052.....
171AL	24755	Looper Driving Shaft Crank Connec- tion Cap (lower) Screw (2).....
140159AL	24755	Looper Driving Shaft Crank Connec- tion Cap (upper) Screw (2).....
164067	24754	Looper Driving Shaft Crank Key.....
1324C	24754	" " " " " " Screw
45057	24754	" " " " " " "
		Washer.....
164053	24754	Looper Driving Shaft Crank Thrust Bearing.....
50379F	24754	Looper Set Screw.....
164202	24754	" Stop Pin.....
164349	24758	" Thread Tube.....
853AL	24758	" " " Set Screw.....
*164072	-----	Machine Frame.....
*164073	-----	Machine Frame complete, Nos. 45773, 140396E, 164072, 164077, 164218, two 15405 and three 140395C.....
164074	24756	Machine Frame Bottom Cover.....
164075	24756	" " " " " Gasket...
914C	24756	" " " " " Screw
		(13).....
*164076	-----	Machine Frame Bracket.....
*164218	-----	" " " 164076 with 164207 and two 187E.....
164207	24759	Machine Frame Bracket Key.....
187E	24759	" " " " " Screw (2).
140396E	24759	" " " " " Screw (large).
164077	24759	" " " " " "
		Washer (fiber).....
164229	24759	Machine Frame Bracket Screw (large) Washer (felt).....
140395C	24759	Machine Frame Bracket Screw (small) (3).....

No.	Plate	Name
164078	24756	Machine Frame Cover (back).....
50571J	24756	" " " " Screw (long) (2).....
914J	24756	Machine Frame Cover (back) Screw (short).....
164079	24756	Machine Frame Cover (back) Slide....
140200J	24756	" " " " Po- sition Screw.....
238J	24756	Machine Frame Cover (back) Slide Stop Screw.....
164080	24756	Machine Frame Cover (back) complete, Nos. 238J, 1637K, 140200J, 140228C, 164078 and 164079.....
164081	24759	Machine Frame Oil Lead.....
140088R	24759	" " " " Screw.....
1698J	24759	" " " " Nut....
164082	24759	" " " Plug Bracket.....
1036AL	24759	" " " " Set Screw.....
51285E	24759	Machine Frame Oil Plug Screw.....
164313	24759	" " " " Washer (steel).....
164314	24759	Machine Frame Oil Plug Screw Washer (cork).....
164083	24759	Machine Frame Oil Screen.....
206J	24759	" " " " Screw.....
164084	24759	" " " Splash Guard (in- ternal).....
206J	24759	Machine Frame Oil Splash Guard (in- ternal Screw (2).....
164085	24757	Machine Frame Oil Splash Guard (top)
51023W	24757	" " " " " " Screw (2).....
164086	24759	Machine Frame Oil Tube with 164087..
50421AL	24759	" " " " Set Screw....
164087	24759	" " " " Wick.....
164088	24755	" " Plug.....
164089	24755	" " Rotary Shaft.....
164090	-----	" " " " 164089 with 164097, 164215, 164216, 164217 and two each 164093 and 164232.....
139026	24755	Machine Frame Rotary Shaft Ball Bearing.....
164092	24755	Machine Frame Rotary Shaft Ball Bearing Housing.....
51369C	24755	Machine Frame Rotary Shaft Ball Bearing Housing Screw (3).....
164093	24755	Machine Frame Rotary Shaft Ball Sleeve (two pieces) (2).....
164232	24755	Machine Frame Rotary Shaft Ball Sleeve Guide (2).....
164094	24755	Machine Frame Rotary Shaft Bushing (front).....
1036AL	24755	Machine Frame Rotary Shaft Bushing (front) Set Screw.....

No.	Plate	Name
164095	24755	Machine Frame Rotary Shaft Bushing (intermediate).....
51332C	24755	Machine Frame Rotary Shaft Bushing (intermediate) Set Screw.....
164096	24755	Machine Frame Rotary Shaft Counter-balance with 1036AL.....
1036AL	24755	Machine Frame Rotary Shaft Counter-balance Set Screw.....
164097	24755	Machine Frame Rotary Shaft Key.....
1701C	24755	" " " " Nut.....
164098	24755	" " " " Oil Sling and Ball Bearing Grease Retainer
164099	24755	Machine Frame Rotary Shaft Screw Stud.....
164100	24755	Machine Frame Rotary Shaft Thrust Bearing.....
164101	24760	Machine Frame Top Cover.....
164214	-----	" " " " 164101 with 330J, 164103 and two each 54865 and 64666.....
164102	24760	Machine Frame Top Cover Gasket.....
164103	24760	" " " " Oil Lead....
330J	24760	" " " " " " Screw.....
51369J	24760	Machine Frame Top Cover Screw (3)...
164231	24755	" Pulley (round and "V" belt) with two 448AL.....
164071	24755	Machine Pulley Cap.....
140416X	24755	" " " " Screw.....
448AL	24755	" " " " Set Screw (2).....
164109	24757	Needle Clamp.....
51720C	24757	" Clamping Nut.....
164110	24757	" Driving Shaft with 164118....
164275	-----	" " " " 164110 with 51720C, 164109 and 164117.....
164111	24757	Needle Driving Shaft Bushing.....
164112	24757	" " " " Cap....
164113	24757	" " " " Oil Lead.....
452C	24757	Needle Driving Shaft Bushing Oil Lead Hole Plug Screw.....
164114	24757	Needle Driving Shaft Crank with 1083C and two 140393AL.....
164115	24757	Needle Driving Shaft Crank Ball....
1083C	24757	" " " " Clamping Screw.....
164116	24755	Needle Driving Shaft Crank Connection with two each 171AL and 140159AL.....
164217	-----	Needle Driving Shaft Crank Connection 164116 with 164115.....
140159AL	24755	Needle Driving Shaft Crank Connection Cap (lower) Screw (2).....
171AL	24755	Needle Driving Shaft Crank Connection Cap (upper) Screw (2).....
140393AL	24757	Needle Driving Shaft Crank Set Screw (2).....

No.	Plate	Name
164117	24757	Needle Holder.....
164118	24757	" Stop Pin.....
164119	24755	Oil Agitator.....
164120	24759	" Cooler with 456C and two 164125.
164121	24759	" " Cover.....
164123	24759	" " " 164121 with 164135.
164122	24759	" " " Gasket.....
145J	24759	" " " Screw.....
164124	24759	" " " Gasket.....
164125	24759	" " Oil Pipe (outlet, left)..
164125	24759	" " " (outlet, right)..
164126	24759	" " " Tube with 138269 and 164128.....
164127	24759	Oil Cooler Oil Tube Coupling.....
51630	24759	" " " " Lock Nut.....
138269	24759	" " " " Sleeve.....
164128	24759	" " " " Wick.....
456C	24759	" " Plug Screw.....
51139J	24759	" " Screw (long) (2).....
1324J	24759	" " Screw (short)
164131	24759	" Sight Gauge Background Disc.....
164132	24759	" " " " " Gas- ket.....
164133	24759	Oil Sight Gauge Window.....
164132	24759	" " " " Gasket.....
164134	24759	" " " " Retainer.....
164132	24759	" " " " " Gas- ket.....
1485J	24759	Oil Sight Gauge Window Retainer Screw (2).....
164135	24759	Oil Cup for filling machine.....
164136	24753	Presser Bar Bracket.....
164137	24757	" " Lifting Bracket with 462AL, 624AL and 51846.....
51846	24757	Presser Bar Lifting Bracket Roller and Stud.....
624AL	24757	Presser Bar Lifting Bracket Set Screw (long).....
462AL	24757	Presser Bar Lifting Bracket Set Screw (short).....
164138	24757	Presser Bar Lifting Lever.....
164139	24757	" " " " Spring....
140228C	24756	" " " " Stop Screw
1637K	24756	" " " " " "
164350	24753	Nut.....
164141	24753	Presser Bar (swing-out).....
		" " " Lifting Screw Stud.....
1700J	24753	Presser Bar (swing-out) Lifting Screw Stud Nut.....
164142	24757	Presser Bar (swing-out) Opening Lever.....
50060K	24757	Presser Bar (swing-out) Opening Lever Hinge Screw.....
140510C	24753	Presser Bar (swing-out) Pivot Screw.
164351	24753	" " " " " "
		Lock Washer.....

No.	Plate	Name
51362AL	24753	Presser Bar (swing-out) Pivot Screw Lock Washer Screw.....
164143	24757	Presser Bar (upright).....
164144	24757	" " Spring.....
*164352	-----	" Foot Body (back).....
*164353	-----	" " " (front).....
164354	24758	" " " (hinged) Nos. 164352, 164353 and 164355.....
164355	24758	Presser Foot Body Hinge Pin.....
164356	24758	" " Chaining-off Finger....
164147	24758	" " Clamping Plate.....
50225J	24758	" " " " Screw...
164357	24758	Presser Foot (hinged) complete, Nos. 50225J, 164147, 164354 and 164356.....
164194	24757	Pressure Regulating Thumb Screw.....
164252	24754	Spreader.....
164056	24754	" Carrier with 50370E.....
164057	24754	" " Connection.....
164058	24754	" " " Guide Bar with 624AL and 164172.....
164172	-----	Spreader Carrier Connection Guide Bar Oil Wick.....
624AL	24754	Spreader Carrier Connection Guide Bar Plug Screw.....
164059	24754	Spreader Carrier Connection Guide Bar Bracket with 164060 and two 462AL.....
164060	24754	Spreader Carrier Connection Guide Bar Bracket Oil Pad.....
914C	24754	Spreader Carrier Connection Guide Bar Bracket Screw (left).....
1057AL	24754	Spreader Carrier Connection Guide Bar Bracket Screw (right).....
462AL	24754	Spreader Carrier Connection Guide Bar Set Screw (2).....
164061	24754	Spreader Carrier Connection Hinge Stud with 1019AL.....
1443J	24754	Spreader Carrier Connection Hinge Stud Cap Screw.....
164397	24754	Spreader Carrier Connection Hinge Stud Adjusting Pin.....
1019AL	24754	Spreader Carrier Connection Hinge Stud Adjusting Pin Set Screw....
132565	24754	Spreader Carrier Hinge Pin.....
50370E	24754	" " " " Set Screw
164062	24754	" Driving Lever with 1083C and two 140393AL.....
1083C	24754	Spreader Driving Lever Clamping Screw.....
164213	-----	Spreader Driving Lever 164062 with 1443J, 1700J, 132565, 164056, 164057, 164058, 164059, 164061, 164068 and 164397.....
140393AL	24754	Spreader Driving Lever Set Screw (2)
164063	24754	" " Shaft.....

No.	Plate	Name
164049	24754	Spreader Driving Shaft Bushing (back).....
140394E	24754	Spreader Driving Shaft Bushing (back) Cap Screw.....
164293	24754	Spreader Driving Shaft Bushing (back) Cap Screw Washer (fiber).
164065	24754	Spreader Driving Shaft Bushing (front).....
164066	24754	Spreader Driving Shaft Crank with 1083C.....
1083C	24754	Spreader Driving Shaft Crank Clamp- ing Screw.....
164052	24755	Spreader Driving Shaft Crank Con- nection with two each 171AL and 140159AL.....
164216	-----	Spreader Driving Shaft Crank 164066 with 164052.....
171AL	24755	Spreader Driving Shaft Crank Con- nection Cap (lower) Screw (2).....
140159AL	24755	Spreader Driving Shaft Crank Con- nection Cap (upper) Screw (2).....
164067	24754	Spreader Driving Shaft Crank Key....
1324C	24754	" " " " "
45057	24754	Screw.....
164053	24754	Spreader Driving Shaft Crank Key Screw Washer.....
164068	24754	Spreader Driving Shaft Crank Thrust Bearing.....
1700J	24754	Spreader Locking Screw Stud.....
164219	24754	" " " " Nut.....
904E	24754	" " " " " Position Collar with 904E..
2102	24760	" " " " " Set Screw..
164155	24760	Tension (heavy) Disc (2).....
50133C	24760	" " " " " Regulating Thumb Nut
164156	-----	" " " " " Screw Stud.....
164161	24760	" " " " " 50133C
59537	24760	with 164155.....
164158	24760	Tension (heavy) Spring.....
164162	24760	" " " " " Bushing.....
2102	24760	" " " " " Cover.....
164155	24760	Tension (heavy) complete, Nos. 59537, 164156, 164158, 164161 and two 2102.....
50133C	24760	Tension (light) Disc (4).....
164156	-----	" " " " " Regulating Thumb Nut (2).....
164157	24760	Tension (light) Screw Stud (2).....
59537	24760	" " " " " 50133C
164158	24760	with 164155 (2).....
164160	24760	Tension (light) Spring (2).....
164285	24760	" " " " " Bushing (2)..
		" " " " " Cover (2)....
		Tension (light) complete, Nos. 59537, 164156, 164157, 164158 and two 2102 (2).....
		Tension (looper thread) Thread Guide (left).....

No.	Plate	Name
164286	24760	Tension (looper thread) Thread Guide (right).....
164159	24760	Tension (needle thread) Thread Guide
64666	24760	" Thread Eyelet (2).....
54865	24760	" " " Spring Washer (2).....
164167	24761	Thread (looper) Plate with 624AL....
164168	24761	" " " Cover.....
164206	-----	" " " " 164168 with 164169 and 164170.....
164169	24761	Thread (looper) Plate Cover Hinge...
164170	24761	" " " " " Pin.....
164171	24761	Thread (looper) Plate Cover Spring (2).....
332J	24761	Thread (looper) Plate Cover Spring Screw (2).....
896AL	24761	Thread (looper) Plate Screw (2).....
164173	24761	" " " Thread Bushing
50318W	24761	" " " " " Screw.....
164174	-----	Thread (looper) Plate complete, Nos. 1423J, 1443J, 1607J, 50318W, 164163, 164164, 164165, 164166, 164167, 164173, 164206 and two each 332J and 164171.....
164091	24754	Thread (looper) Stripper and Take-up
164163	24761	" " " " " Eyelet (adjustable).....
1443J	24761	Thread (looper) Stripper and Take-up Eyelet (adjustable) Screw.....
187E	24754	Thread (looper) Stripper and Take-up Screw.....
17022	24754	Thread (looper) Stripper and Take-up Screw Washer.....
164175	24754	Thread (looper) Take-up.....
164176	24754	" " " Plate.....
176E	24754	" " " Screw (lower).....
1443W	24754	Thread (looper) Take-up Screw (upper).....
164164	24761	Thread (looper) Thread Eyelet (movable).....
1423J	24761	Thread (looper) Thread Eyelet Screw.
164165	24761	" " " " (stationary).....
1607J	24761	Thread (looper) Thread Eyelet (stationary) Nut.....
164166	24761	Thread (looper) Tube.....
624AL	24761	" " " Set Screw.....
164151	24753	" (needle) Controller.....
164153	24753	" " " Lever....
1443B	24753	" " " Screw (2)
164177	24753	" Eyelet (needle thread).....
140239AL	24753	" " " " Set Screw.....
164358	24758	Throat Plate.....

No.	Plate	Name
1094F	24758	Throat Plate Screw (2).....
*45773	-----	Trade Mark.....
15405	-----	" " Rivet (2).....

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FITTINGS

SET OF FITTINGS COMPLETE, No. 164382

For Rayon, Balbriggan and Nylon

For Two-thread Blind Hem Stitch

No.	Plate	Name
164347	24765	Chain Cutter.....
51362AL	24765	" " Screw (2).....
164363	24765	Feed (back) Dog Section (left).....
164243	24765	" " " " (right).....
1100AL	24765	" " " " " "
		Screw.....
164364	24765	Feed (back) Dog complete, Nos. 1100AL, 164243 and 164363.....
164365	24765	Feed (front) Dog.....
164026	24765	Knife (movable).....
164037	24765	" (stationary).....
164045	24765	Looper.....
164350	24765	Presser Bar (swing-out).....
*164352	-----	" Foot Body (back).....
*164353	-----	" " " (front).....
164354	24765	" " " (hinged) Nos. 164352, 164353 and 164355.....
164355	24765	Presser Foot Body Hinge Pin.....
164356	24765	" " Chaining-off Finger....
164147	24765	" " Clamping Plate.....
50225J	24765	" " " " Screw...
164357	24765	Presser Foot (hinged) complete Nos. 50225J, 164147, 164354 and 164356.....
164252	24765	Spreader.....
164091	24765	Thread (looper) Stripper and Take-up
164175	24765	" " Take-up.....
164358	24765	Throat Plate.....
164382	24765	Set of Fittings complete, Nos. 164026, 164037, 164045, 164091, 164175, 164252, 164347, 164350, 164357, 164358, 164364, 164365 and two 51362AL.....

SET OF FITTINGS COMPLETE No. 164383

For Light and Medium Weight Sweater Materials

For Two-thread Blind Hem Stitch

No.	Plate	Name
164347	24766	Chain Cutter.....
51362AL	24766	" " Screw (2).....
164242	24766	Feed (back) Dog Section (left).....
164243	24766	" " " " (right).....
1100AL	24766	" " " " " "
		Screw.....
164244	24766	Feed (back) Dog complete, Nos. 1100AL, 164242 and 164243.....
164348	24766	Feed (front) Dog.....
164026	24766	Knife (movable).....
164037	24766	" (stationary).....
164045	24766	Looper.....
164350	24766	Presser Bar (swing-out).....
*164352	-----	" Foot Body (back).....
*164353	-----	" " " (front).....
164354	24766	" " " (hinged) Nos. 164352, 164353 and 164355.....
164355	24766	Presser Foot Body Hinge Pin.....
164356	24766	" " Chaining-off Finger....
164147	24766	" " Clamping Plate.....
50225J	24766	" " " " Screw...
164357	24766	Presser Foot (hinged) complete Nos. 50225J, 164147, 164354 and 164356.....
164252	24766	Spreader.....
164091	24766	Thread (looper) Stripper and Take-up
164175	24766	" " Take-up.....
164358	24766	Throat Plate.....
164383	24766	Set of Fittings complete, Nos. 164026, 164037, 164045, 164091, 164175, 164244, 164252, 164347, 164348, 164350, 164357, 164358 and two 51362AL.....

ACCESSORIES

No.	Plate	Name
160577	24762	Container of Oil (15 ozs.).....
164203	24762	Feed Eccentric Extractor.....

No.	Plate	Name
164195	24762	Gauge.....
120344	24762	Oiler (copper plated) with 120345...
120345	24762	" Spout, 4 1/2 in. long.....
164198	24762	Presser Bar Lifting Chain Spring (under table).....
26026	24762	Screw Driver.....
164196	24762	Threader (6).....
164204	24762	Tweezers.....
164197	24762	Wrench (socket).....
8908	24762	" (flat).....

BELT GUARD (adjustable)

No.	Plate	Name
164183	24763	Belt Guard.....
164199	24763	" " Bracket (back).....
164200	24763	" " " (front).....
51326J	24763	" " Screw (2).....
164201	24763	Belt Guard (adjustable) complete, Nos. 164183, 164199, 164200 and two each 51326J and wood screws 5/4 in. No. 7 F.H.....

Blind Stitch Hemming Attachment (flip-up type)

Complete, No. 160381 For General Work

No.	Plate	Name
160376	24758	Folder.....
160377	24758	" Hinge.....
160378	24758	" " Bracket with 904AL.....
59480	24758	" " Pin.....
904AL	24758	" " " Set Screw.....
160574	-----	Folder Holder complete, Nos. 335J, 1628K, 59480, 160377, 160378, 160379 and 160380.....
160379	24758	Folder Screw Stud.....
1628K	24758	" " " Nut.....
160380	24758	" Stop Plate.....
335J	24758	" " " Screw.....
160381	24758	Blind Stitch Hemming Attachment com- plete, Nos. 160376 and 160574...

Blind Stitch Hemming Attachment (yielding type)

Complete, No. 160384 For Tubular Work

No.	Plate	Name
160385	24758	Folder.....
160383	24758	" Bracket.....
160575	-----	Folder Holder complete, Nos. 3146, 50388J and 160383.....
50388J	24758	Folder Screw.....
3146	24758	" " Washer.....
160384	24758	Blind Stitch Hemming Attachment com- plete, Nos. 160385 and 160575...

Blind Stitch Hemming Attachment (latch type)

Complete, No. 160392 For Open End Work

No.	Plate	Name
160382	24758	Folder.....
160386	24758	" Hinge.....
160387	24758	" " Bracket with 468C.....
59480	24758	" " Pin.....
468C	24758	" " " Set Screw.....
160388	24758	" " Plunger.....
160389	24758	" " " Spring.....
160576	-----	Folder Holder complete, Nos. 202J, 973J, 1772C, 3146, 50388J, 59480, 160386, 160387, 160388, 160390, 160391 and three 160389.
160390	24758	Folder Latch.....
160391	24758	" " Guide Bracket.....
202J	24758	" " " " Screw....
973J	24758	" " Hinge Screw.....
1772C	24758	" " " " Nut.....
160389	24758	" " Spring (2).....
50388J	24758	" Screw.....
3146	24758	" " Washer.....
160392	24758	Blind Stitch Hemming Attachment com- plete, Nos. 160382 and 160576...

CHIP CHUTE

No.	Plate	Name
168198	24763	Chip Chute with four wood screws 3/8 in. No. 6 R.H. blacked.....

EDGE GUARD (floating)

Complete, No. 160510 for Light, Medium and Heavy Work

No.	Plate	Name
160507	24758	Edge Guide (floating).....
160395	24758	" " " Spring.....
904AL	24758	" " " " Screw..
220J	24758	" " " " "
		Lock Screw.....
160508	24758	Edge Guide (fixed).....
240J	24758	" " " Screw.....
160509	24758	" " Adjusting Bracket.....
208J	24758	" " " " Screw..
50589K	24758	" " " Screw.....
160398	24758	" " Bracket with 220J and 904AL.....
160399	24758	Edge Guide Support and Throat Plate Guide with 853AL.....
1454B	24758	Edge Guide Support and Throat Plate Guide Screw.....
160510	24758	Edge Guide (floating) complete, Nos. 208J, 240J, 50589K, 160395, 160398, 160399, 160507, 160508 and 160509.....

FOOT LIFTER PARTS

No.	Plate	Name
6439	24763	Chain, 36 in. to 45 in. with 56864 and 56865.....
		Note: When ordering No. 6439, give length required.
4879	24763	Chain Connecting Link.....
56864	24763	" Hook (large).....

FOOT LIFTER PARTS

No.	Plate	Name
56865	24763	Chain Hook (small).....
4881	24763	Treadle.....
4882	24763	" Shaft.....
4883	-----	" Spring.....
4884	24763	" Stand.....
4885	24763	Treadle complete, Nos. 4879, 4881, 4882, 4883, 4884 and two wood screws 1 in. No. 16 F.H.....

MACHINE BASE

No.	Plate	Name
164184	24763	Machine Base with 50608R, 139017 and two each wood screws 3/4 in. No. 8 R.H. and 1 1/4 in. No. 6 F.H..
50608R	24763	Machine Base Plug Screw.....
139017	24763	" " " " Washer.....
164188	24763	" Cushion (large) (2).....
164189	24763	" " (small) (2).....
164190	24763	" Pad (felt).....
140418E	24755	" Screw Stud (back).....
657E	24755	" " " (front).....

THREAD UNWINDER No. 151031

For Three Spools

No.	Plate	Name
151023	24764	Spool Rest with 858AL.....
150203	24764	" " Cushion (felt) (3).....
858AL	24764	" " Hub Set Screw.....
151024	24764	" " Rod.....
1122C	24764	" " " Set Screw (2).....
151025	24764	" " Stand with two 1122C and three wood screws 1 in. No. 12 F.H.....
151026	24764	Thread Guide (lower).....
50311C	24764	" " " Holder Set Screw.....
151027	24764	Thread Guide (lower) Support with 50311C.....
151028	24764	Thread Guide (upper) (2).....

No.	Plate	Name
151029	24764	Thread Guide (upper) Holder with four 453AL.....
453AL	24764	Thread Guide Set Screw (3).....
151030	24764	" " Rod.....
453AL	24764	" " " Set Screw.....
151031	24764	Thread Unwinder complete, Nos. 151023, 151024, 151025, 151026, 151027, 151029, 151030, two 151028 and three 150203.....

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NUMERICAL
LIST
OF PARTS

NUMERICAL LIST OF PARTS

No.	Plate	Name
145J	24759	Oil Cooler Cover Screw.....
157C	24752	Feed Eccentric Cover Bracket Screw..
171AL	24755	Looper Driving Shaft Crank Con- nection Cap (lower) Screw for 164052 (2).....
171AL	24755	Needle Driving Shaft Crank Con- nection Cap (upper) Screw for 164116 (2).....
171AL	24755	Spreader Driving Shaft Crank Con- necting Cap (lower) Screw for 164052 (2).....
176E	24754	Thread (looper) Take-up Screw (low- er).....
187E	24759	Machine Frame Bracket Key Screw for 164218 (2).....
187E	24754	Thread (looper) Stripper and Take-up Screw.....
197J	24753	Knife (movable) Lever Guide Screw for 164210.....
198J	24753	Knife (movable) Holder Screw.....
202J	24758	Blind Stitch Hemming Attachment Folder Latch Guide Bracket Screw for 160576.....
206J	24759	Machine Frame Oil Screen Screw.....
206J	24759	" " " Splash Guard (in- ternal) Screw (2).....
208J	24758	Edge Guide Adjusting Bracket Screw for 160510.....
220J	24758	Edge Guide (floating) Spring Screw Lock Screw for 160398.....
227J	24752	Feed Eccentric Cover Latch Spring Screw for 164402 (2).....
238J	24756	Machine Frame Cover (back) Slide Stop Screw for 164080.....
240J	24758	Edge Guide (fixed) Screw for 160510.
330J	24760	Machine Frame Top Cover Oil Lead Screw for 164214.....
332J	24761	Thread (looper) Plate Cover Spring Screw for 164174 (2).....
335J	24758	Blind Stitch Hemming Attachment Folder Stop Plate Screw for 160574.....
448AL	24755	Machine Pulley Set Screw for 164231 (2).....
452C	24757	Needle Driving Shaft Bushing Oil Lead Hole Plug Screw.....
453AL	24764	Thread Unwinder Thread Guide Set Screw for 151029 (3).....
453AL	24764	Thread Unwinder Thread Guide Rod Set Screw for 151029.....
456C	24759	Oil Cooler Plug Screw for 164120....
460AL	24754	Looper Carrier Screw Set Screw for 164046.....

NUMERICAL LIST OF PARTS

No.	Plate	Name
462AL	24757	Presser Bar Lifting Bracket Set Screw (short) for 164137.....
462AL	24754	Spreader Carrier Connection Guide Bar Set Screw for 164059 (2)....
468C	24758	Blind Stitch Hemming Attachment Hinge Pin Set Screw for 160387..
620AL	24753	Knife (movable) Lever Hinge Pin Set Screw for 164031.....
624AL	24751	Cloth Plate Plunger Set Screw.....
624AL	24751	" " Position Collar Set Screw for 164106 (2).....
624AL	24753	Knife (movable) Lever Bearing Set Screw (short).....
624AL	24757	Presser Bar Lifting Bracket Set Screw (long) for 164137.....
624AL	24754	Spreader Carrier Connection Guide Bar Plug Screw for 164058.....
624AL	24761	Thread (looper) Tube Set Screw for 164167.....
629K	24752	Feed Eccentric Cover Hinge Screw for 164402.....
657E	24755	Machine Screw Stud (front).....
853AL	24758	Looper Thread Tube Set Screw for 160399.....
858AL	24764	Thread Unwinder Spool Rest Hub Set Screw for 151023.....
896AL	24761	Thread (looper) Plate Screw (2).....
904AL	24758	Blind Stitch Hemming Attachment Folder Hinge Pin Set Screw for 160378.....
904AL	24758	Edge Guide (floating) Spring Screw for 160398.....
904E	24754	Spreader Position Collar Set Screw for 164219.....
914J	24751	Cloth Plate Extension Screw for 164241 (2).....
914C	24756	Machine Frame Bottom Cover Screw (13).....
914J	24756	Machine Frame Cover (back) Screw (short).....
914C	24754	Spreader Carrier Connection Guide Bar Bracket Screw (left).....
973J	24758	Blind Stitch Hemming Attachment Folder Latch Hinge Screw for 160576.....
1019AL	24754	Spreader Carrier Connection Hinge Stud Adjusting Pin Set Screw for 164061.....
1036AL	24759	Machine Frame Oil Plug Bracket Set Screw.....
1036AL	24755	Machine Frame Rotary Shaft Bushing (front) Set Screw.....
1036AL	24755	Machine Frame Rotary Shaft Counter- balance Set Screw for 164096....
1057AL	24754	Spreader Carrier Connection Guide Bar Bracket Screw (right).....

No.	Plate	Name
1083C	24754	Looper Driving Shaft Crank Clamping Screw for 164051.....
1083C	24757	Needle Driving Shaft Crank Clamping Screw for 164114.....
1083C	24754	Spreader Driving Lever Clamping Screw for 164062.....
1083C	24754	Spreader Driving Shaft Crank Clamp- ing Screw for 164066.....
1094F	24758	Throat Plate Screw (2).....
1100AL	24758	Feed (back) Dog Section (right) Screw for 164244 and 164364.....
1122C	24764	Thread Unwinder Spool Rest Rod Set Screw for 151025 (2).....
1143AL	24753	Knife (movable) Lever Hinge Stud Set Screw (top).....
1209J	24751	Chip Guard Screw (lower).....
1250AL	24751	Cloth Plate Lock Spring Screw Stud..
1259AL	24757	Blind Stitch Hemming Attachment Sup- port Set Screw for 164246.....
1324C	24754	Looper Carrier Screw for 164212.....
1324C	24754	" Driving Shaft Crank Key Screw
1324J	24759	Oil Cooler Screw (short).....
1324C	24754	Spreader Driving Shaft Key Screw....
1389C	24752	Feed Bar Hinge Pin Set Screw.....
1423J	24761	Thread (looper) Thread Eyelet Screw for 164174.....
1443J	24754	Spreader Carrier Connection Hinge Stud Cap Screw for 164213.....
1443J	24761	Thread (looper) Stripper and Take-up Eyelet (adjustable) Screw for 164174.....
1443W	24754	Thread (looper) Take-up Screw (up- per).....
1443B	24753	Thread (needle) Controller Screw (2)
1454E	24758	Edge Guide Support and Throat Plate Guide Screw.....
1454F	24758	Feed (back) Dog Screw.....
1454F	24758	" (front) Dog Screw.....
1454E	24753	Knife (stationary) Holder Adjusting Stud Cap Screw.....
1454J	24753	Knife (stationary) Holder Spring Re- tainer Screw.....
1485J	24759	Oil Sight Gauge Window Retainer Screw (2).....
1607J	24761	Thread (looper) Thread Eyelet (sta- tionary) Nut for 164174.....
1628K	24758	Blind Stitch Hemming Attachment Folder Screw Stud Nut for 160574
1628C	24752	Feed Bar Slide Block (back) Nut.....
1637K	24756	Presser Bar Lifting Lever Stop Screw Nut for 164080.....
1671C	24752	Feed (back) Bar Connection Hinge Screw Stud Nut for 164208.....
1671C	24752	Feed (front) Bar Connection Hinge Screw Stud Nut for 164208.....
1698J	24759	Machine Frame Oil Lead Screw Nut....

NUMERICAL LIST OF PARTS

No.	Plate	Name
1700J	24751	Cloth Plate Lock Spring Nut for 164241.....
1700J	24753	Presser Bar (swing-out) Lifting Screw Stud Nut.....
1700J	24754	Spreader Locking Screw Stud Nut for 164213.....
1701C	24755	Machine Frame Rotary Shaft Nut.....
1772C	24758	Blind Stitch Hemming Attachment Folder Latch Hinge Screw Nut for 160576.....
2102	24760	Tension (heavy) Disc for 164162 (2).
2102	24760	" (light) Disc for 164160 (4).
3146	24758	Blind Stitch Hemming Attachment Folder Screw Washer for 160575 and 160576.....
4879	24763	Foot Lifter Chain Connecting Link for 4885.....
4881	24763	Foot Lifter Treadle for 4885.....
4882	24763	" " " Shaft for 4885..
4883	-----	" " " Spring for 4885.
4884	24763	" " " Stand for 4885..
4885	24763	Foot Lifter Treadle complete, Nos. 4879, 4881, 4882, 4883, 4884 and two wood screws 1 in. No. 16 F.H.....
6439	24763	Foot Lifter Chain, 36 in. to 45 in. with 56864 and 56865.....
	Note:	When ordering No. 6439 give length re- quired.
8908	24762	Wrench (flat) Accessories.....
15405	-----	Trade Mark Rivet for 164073 (2).....
17022	24752	Feed Bar Slide Block (back) Nut Washer.....
17022	24754	Thread (looper) Stripper and Take-up Screw Washer.....
26026	24762	Screw Driver (Accessories).....
39541	24753	Knife (stationary) Holder Adjusting Stud Cap Screw Washer.....
45057	24754	Looper Driving Shaft Crank Key Screw Washer.....
45057	24754	Spreader Driving Shaft Crank Key Screw Washer.....
*45773	-----	Trade Mark for 164073.....
50060K	24757	Presser Bar (swing-out) Opening Lever Hinge Screw for 164247....
50073J	24757	Knife (movable) Lever Cover and Presser Bar (upright) Housing Screw (2).....
50133C	24760	Tension (heavy) Screw Stud for 164156.....
50133C	24760	Tension (light) Screw Stud for 164156 (2).....
50225J	24758	Presser Foot Clamping Plate Screw for 164357.....
50311C	24764	Thread Unwinder Thread Guide (lower) Holder Set Screw for 151027.....

No.	Plate	Name
50318W	24761	Thread (looper) Plate Thread Bushing Screw for 164174.....
50370E	24754	Spreader Carrier Hinge Pin Set Screw for 164056.....
50379F	24754	Looper Set Screw for 164046.....
50388J	24758	Blind Stitch Hemming Attachment Folder Screw for 160575 and 160576.....
50421AL	24753	Knife (movable) Lever Bearing Set Screw (long).....
50421AL	24753	Knife (movable) Lever Guide Holder Thread Tube Set Screw.....
50421AL	24753	Knife (movable) Lever Hinge Stud Set Screw (back).....
50421AL	24759	Machine Frame Oil Tube Set Screw....
50571J	24756	" " Cover (back) Screw (long) (2).....
50589K	24758	Edge Guide Adjusting Screw for 160510.....
50608R	24763	Machine Base Plug Screw for 164184..
51023W	24757	" Frame Oil Splash Guard (top) Screw (2).....
51139J	24759	Oil Cooler Screw (long) (2).....
51285E	24759	Machine Frame Oil Plug Screw.....
51326J	24763	Belt Guard Screw for 164201 (2).....
51332C	24755	Machine Frame Rotary Shaft Bushing (intermediate) Set Screw.....
51362AL	24753	Chain Cutter Screw for 164382 and 164383 (2).....
51362AL	24753	Presser Bar (swing-out) Pivot Screw Lock Washer Screw.....
51369C	24755	Machine Frame Rotary Shaft Ball Bearing Housing Screw (3).....
51369J	24760	Machine Frame Top Cover Screw (3)...
51630	24759	Oil Cooler Oil Tube Lock Nut.....
51715AL	24753	Knife (stationary) Clamping Stud Nut
51720C	24757	Needle Clamping Nut for 164275.....
51846	24757	Presser Bar Lifting Bracket Roller and Stud for 164137.....
54865	24760	Tension Thread Eyelet Spring Washer for 164214 (2).....
56864	24763	Foot Lifter Chain Hook (large) for 6439.....
56865	24763	Foot Lifter Chain Hook (small) for 6439.....

NUMERICAL LIST OF PARTS

No.	Plate	Name
59456	24753	Knife (stationary) Holder Sleeve Screw Washer.....
59456	24754	Looper Carrier Screw Washer for 164212.....
59480	24758	Blind Stitch Hemming Attachment Folder Hinge Pin for 160574 and 160576.....
59537	24760	Tension (heavy) Spring Bushing for 164162.....
59537	24760	Tension (light) Spring Bushing for 164160 (2).....
64666	24760	Tension Thread Eyelet for 164214 (2)
120344	24762	Oilier (copper plated) with 120345 (Accessories).....
120345	24762	Oilier Spout, 4 1/2 in. long, for 120344.....
132565	24754	Spreader Carrier Hinge Pin for 164213.....
132583	24753	Knife (movable) Lever Hinge Pin with 132584 for 164211.....
132584	24753	Knife (movable) Lever Hinge Pin Oil Wick for 132583.....
138269	24759	Oil Cooler Oil Tube Sleeve for 164126.....
139017	24763	Machine Base Plug Screw Washer for 164184.....
139026	24755	Machine Frame Rotary Shaft Ball Bearing.....
140050C	24753	Knife (movable) Clamp Screw.....
140088R	24753	" (stationary) Holder Sleeve Screw.....
140088R	24759	Machine Frame Oil Lead Screw.....
140159AL	24755	Looper Driving Shaft Crank Connec- tion Cap (upper) Screw for 164052 (2).....
140159AL	24755	Needle Driving Shaft Crank Connec- tion Cap (lower) Screw for 164116 (2).....
140159AL	24755	Spreader Driving Shaft Crank Connec- tion Cap (upper) Screw for 164052 (2).....
140200J	24756	Machine Frame Cover (back) Slide Po- sition Screw for 164080.....
140228C	24756	Presser Bar Lifting Lever Stop Screw for 164080.....
140239AL	24753	Knife (movable) Lever Guide Holder Set Screw for 164181 (2).....
140239AL	24753	Thread Eyelet (needle thread) Set Screw.....
140393AL	24754	Looper Carrier Holder Set Screw for 164047 (2).....
140393AL	24757	Needle Driving Shaft Crank Set Screw for 164114 (2).....
140393AL	24754	Spreader Driving Lever Set Screw for 164062 (2).....
140394E	24754	Looper Driving Shaft Bushing (back) Cap Screw.....

No.	Plate	Name
140394E	24754	Spreader Driving Shaft Bushing (back) Cap Screw.....
140395C	24759	Machine Frame Bracket Screw (small) for 164073 (3).....
140396E	24759	Machine Frame Bracket Screw (large) for 164073.....
140416X	24755	Machine Pulley Cap Screw.....
140418E	24755	" Screw Stud (back).....
140456K	24757	Blind Stitch Hemming Attachment Ad- justing Thumb Screw for 164237..
140457J	24757	Blind Stitch Hemming Attachment Ad- justing Thumb Screw Locking Screw for 164237.....
140458C	24757	Blind Stitch Hemming Attachment Thumb Screw for 164237.....
140509J	24751	Chip Guard Screw (upper).....
140510C	24753	Presser Bar (swing-out) Pivot Screw.
150203	24764	Thread Unwinder Spool Rest Cushion (felt) for 151031 (3).....
151023	24764	Thread Unwinder Spool Rest with 858AL, for 151031.....
151024	24764	Thread Unwinder Spool Rest Rod for 151031
151025	24764	Thread Unwinder Spool Rest Stand with two 1122C and three wood Screws 1 in. No. 12 F.H. for 151031.....
151026	24764	Thread Unwinder Thread Guide (lower) for 151031.....
151027	24764	Thread Unwinder Thread Guide (lower) Support with 50311C, for 151031.
151028	24764	Thread Unwinder Thread Guide (upper) for 151031 (2).....
151029	24764	Thread Unwinder Thread Guide (upper) Holder with four 453AL, for 151031.....
151030	24764	Thread Unwinder Thread Guide Rod for 151031.....
151031	24764	Thread Unwinder complete for three spools, Nos. 151023, 151024, 151025, 151026, 151027, 151029, 151030, two 151028 and three 150203.....
160376	24758	Blind Stitch Hemming Attachment Folder for 160381.....
160377	24758	Blind Stitch Hemming Attachment Folder Hinge for 160574.....
160378	24758	Blind Stitch Hemming Attachment Folder Hinge Bracket with 904AL, for 160574.....
160379	24758	Blind Stitch Hemming Attachment Folder Screw Stud for 160574....
160380	24758	Blind Stitch Hemming Attachment Folder Stop Plate for 160574....
160381	24758	Blind Stitch Hemming Attachment (flip-up type) complete, for general work, Nos. 160376 and 160574.....

NUMERICAL LIST OF PARTS

No.	Plate	Name
160382	24758	Blind Stitch Hemming Attachment Folder for 160392.....
160383	24758	Blind Stitch Hemming Attachment Folder Bracket for 160575.....
160384	24758	Blind Stitch Hemming Attachment (yielding type) complete for tu- bular work, Nos. 160385 and 160575.....
160385	24758	Blind Stitch Hemming Attachment Folder for 160384.....
160386	24758	Blind Stitch Hemming Attachment Folder Hinge for 160576.....
160387	24758	Blind Stitch Hemming Attachment Folder Hinge Bracket with 468C, for 160576.....
160388	24758	Blind Stitch Hemming Attachment Folder Hinge Plunger for 160576.
160389	24758	Blind Stitch Hemming Attachment Plunger Spring for 160576.....
160389	24758	Blind Stitch Hemming Attachment Folder Latch Spring for 160576 (2).....
160390	24758	Blind Stitch Hemming Attachment Folder Latch for 160576.....
160391	24758	Blind Stitch Hemming Attachment Folder Latch Guide Bracket for 160576.....
160392	24758	Blind Stitch Hemming Attachment (latch type) complete, for open end work, Nos. 160382 and 160576
160395	24758	Edge Guide (floating) Spring for 160510.....
160398	24758	Edge Guide Bracket with 220J and 904AL for 160510.....
160399	24758	Edge Guide Support and Throat Plate Guide with 853AL, for 160510....
160507	24758	Edge Guide (floating) for 160510....
160508	24758	" " (fixed) for 160510.....
160509	24758	" " Adjusting Bracket for 160510.....
160510	24758	Edge Guide (floating) complete, for light, medium and heavy work, Nos. 208J, 240J, 50589K, 160395, 160398, 160399, 160507, 160508 and 160509.....
160574	-----	Blind Stitch Hemming Attachment Folder Holder complete for 160381, Nos. 335J, 1628K, 59480, 160377, 160378, 160379 and 160380.....
160575	-----	Blind Stitch Hemming Attachment Folder Holder complete for 160384, Nos. 3146, 50388J and 160383.....

NUMERICAL LIST OF PARTS

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No.	Plate	Name
160576	-----	Blind Stitch Hemming Attachment Folder Holder complete, for 160392, Nos. 202J, 973J, 1772C, 3146, 50388J, 59480, 160386, 160387, 160388, 160390, 160391 and three 160389.....
160577	24762	Container of Oil (15 ozs.) Acces- sories.....
164001	24751	Chip Guard.....
164003	24752	Feed Bar Hinge Pin (eccentric).....
164004	24752	" " Slide Block (back) for 164208 (2).....
164005	24752	Feed Bar Slide Block (front) for 164208.....
164006	24752	Feed (front) Bar with 164010, for 164208.....
164007	24752	Feed (front) Bar Connection for 164208.....
164008	24752	Feed (back) Bar Connection Bearing for 164208.....
164009	24752	Feed (back) Bar Connection Hinge Screw Stud for 164208.....
164009	24752	Feed (front) Bar Connection Hinge Screw Stud for 164208.....
164010	24752	Feed (back) Bar Connection Hinge Screw Stud Nut Position Pin for 164016.....
164010	24752	Feed (front) Bar Connection Hinge Screw Stud Nut Position Pin for 164006.....
164016	24752	Feed (back) Bar with 164010, for 164208.....
164017	24752	Feed (back) Bar Connection for 164208.....
164018	24752	Feed (front) Bar Connection Bearing for 164208.....
164020	24752	Feed (back) Eccentric.....
164020	24752	" (front) Eccentric.....
		Note: Feed (back) and Feed (front) Eccentric No. 164020 is furnished in 6 to 16, 18, 20, 22, 24, 28, 32 and 36 stitches to the inch, unless otherwise stated, No. 164020 (14 stitches to the inch) is supplied regularly.
164023	24752	Feed Eccentric Oil Wick for 164402..
164025	24755	" Lifting and Knife (movable) Ec- centric.....
164026	24753	Knife (movable) for 164382 and 164383.....
164027	24753	Knife (movable) Clamp.....
164028	24753	" " Guard.....
164029	24753	" " Holder.....
164030	24753	" " Screw Bearing
164031	24753	" " Lever with 620AL, for 164211.....
164032	24753	Knife (movable) Lever Bearing.....

NUMERICAL LIST OF PARTS

No.	Plate	Name
164034	24753	Knife (movable) Lever Hinge Stud for 164035.....
164035	-----	Knife (movable) Lever Hinge Stud 164034 with 164036 and 164269, for 164211.....
164036	24753	Knife (movable) Lever Hinge Stud Oil Wick (long) for 164035.....
164037	24753	Knife (stationary) for 164382 and 164383.....
164038	24753	Knife (stationary) Clamping Stud....
164039	24753	" " Holder.....
164040	24753	" " " Adjusting Stud.....
164041	24753	Knife (stationary) Holder Cap.....
164042	24753	" " " Sleeve....
164043	24753	" " " Spring....
164044	24753	" " " " Re- tainer.....
164045	24754	Looper for 164382 and 164383.....
164046	24754	" Carrier with 460AL, 50379F and 164202, for 164212.....
164047	24754	Looper Carrier Holder with two 140393AL, for 164212.....
164048	24754	Looper Driving Shaft.....
164049	24754	" " " Bushing (back).
164049	24754	Spreader Driving Shaft Bushing (back).....
164050	24754	Looper Driving Shaft Bushing (front)
164051	24754	" " " Crank with 1083C, for 164215.....
164052	24755	Looper Driving Shaft Crank Connec- tion with two each 171AL and 140159AL, for 164215.....
164052	24755	Spreader Driving Shaft Crank Connec- tion with two each 171AL and 140159AL, for 164216.....
164053	24754	Looper Driving Shaft Crank Thrust Bearing.....
164053	24754	Spreader Driving Shaft Crank Thrust Bearing.....
164056	24754	Spreader Carrier with 50370E, for 164213.....
164057	24754	Spreader Carrier Connection for 164213.....
164058	24754	Spreader Carrier Connection Guide Bar with 624AL and 164172, for 164213.....
164059	24754	Spreader Carrier Connection Guide Bar Bracket with 164060 and two 462AL, for 164213.....
164060	24754	Spreader Carrier Connection Guide Bar Bracket Oil Pad for 164059..
164061	24754	Spreader Carrier Connection Hinge Stud with 1019AL, for 164213....
164062	24754	Spreader Driving Lever with 1083C and two 140393AL, for 164213....

NUMERICAL LIST OF PARTS

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No.	Plate	Name
164063	24754	Spreader Driving Shaft.....
164065	24754	" " " Bushing (front).....
164066	24754	Spreader Driving Shaft Crank with 1083C, for 164216.....
164067	24754	Looper Driving Shaft Crank Key.....
164067	24754	Spreader Driving Shaft Crank Key....
164068	24754	" Locking Screw Stud for 164213.....
164071	24755	Machine Pulley Cap.....
*164072	-----	" Frame for 164073.....
*164073	-----	Machine Frame complete, Nos. 45773, 140396E, 164072, 164077, 164218, two 15405 and three 140395C.....
164074	24756	Machine Frame Bottom Cover.....
164075	24756	" " " " Gasket...
*164076	-----	" " Bracket for 164218....
164077	24759	" " " Screw (large) Washer (fiber) for 164073.....
164078	24756	Machine Frame Cover (back) for 164080.....
164079	24756	Machine Frame Cover (back) Slide for 164080.....
164080	24756	Machine Frame Cover (back) complete, Nos. 238J, 1637K, 140200J, 140228C, 164078 and 164079.....
164081	24759	Machine Frame Oil Lead.....
164082	24759	" " " Plug Bracket.....
164083	24759	" " " Screen.....
164084	24759	" " " Splash Guard (in- ternal).....
164085	24757	Machine Frame Oil Splash Guard (top)
164086	24759	" " " Tube with 164087..
164087	24759	" " " Wick for 164086.....
164088	24755	Machine Frame Plug.....
164089	24755	" " Rotary Shaft for 164090.....
164090	-----	Machine Frame Rotary Shaft 164089, with 164097, 164215, 164216, 164217 and two each 164093 and 164232.....
164091	24754	Thread (looper) Stripper and Take-up for 164382 and 164383.....
164092	24755	Machine Frame Rotary Shaft Ball Bearing Housing.....
164093	24755	Machine Frame Rotary Shaft Ball Sleeve (two pieces) for 164090 (2).....
164094	24755	Machine Frame Rotary Shaft Bushing (front).....
164095	24755	Machine Frame Rotary Shaft Bushing (intermediate).....
164096	24755	Machine Frame Rotary Shaft Counter- balance with 1036AL.....
164097	24755	Machine Frame Rotary Shaft Key for 164090.....

NUMERICAL LIST OF PARTS

No.	Plate	Name
164098	24755	Machine Frame Rotary Shaft Oil Sling and Ball Bearing Grease Retainer
164099	24755	Machine Frame Rotary Shaft Screw Stud.....
164100	24755	Machine Frame Rotary Shaft Thrust Bearing.....
164101	24760	Machine Frame Top Cover for 164214..
164102	24760	" " " " Gasket.....
164103	24760	" " " " Oil Lead for 164214.....
164104	24751	Cloth Plate Plunger.....
164105	24751	" " " " Spring.....
164106	24751	" " Position Collar with two 624AL.....
164109	24757	Needle Clamp for 164275.....
164110	24757	" Driving Shaft with 164118, for 164275.....
164111	24757	Needle Driving Shaft Bushing.....
164112	24757	" " " " Cap....
164113	24757	" " " " Oil Lead.....
164114	24757	Needle Driving Shaft Crank with 1083C and two 140393AL.....
164115	24757	Needle Driving Shaft Crank Ball for 164217.....
164116	24755	Needle Driving Shaft Crank Connec- tion with two each 171AL and 140159AL, for 164217.....
164117	24757	Needle Holder for 164275.....
164118	24757	" Stop Pin for 164110.....
164119	24755	Oil Agitator.....
164120	24759	" Cooler with 456C and two 164125.
164121	24759	" " Cover for 164123.....
164122	24759	" " " Gasket.....
164123	24759	" " " 164121 with 164135.
164124	24759	" " Gasket.....
164125	24759	" " Oil Pipe (outlet, left) for 164120.....
164125	24759	Oil Cooler Oil Pipe (outlet, right) for 164120.....
164126	24759	Oil Cooler Oil Tube with 138269 and 164128.....
164127	24759	Oil Cooler Oil Tube Coupling.....
164128	24759	" " " " Wick for 164126.
164131	24759	" Sight Gauge Background Disc.....
164132	24759	" " " " Gas- ket.....
164132	24759	Oil Sight Gauge Window Gasket.....
164132	24759	" " " " Retainer Gas- ket.....
164133	24759	Oil Sight Gauge Window.....
164134	24759	" " " " Retainer.....
164135	24759	" Cup for filling machine, for 164123.....
164136	24753	Presser Bar Bracket for 164211.....
164137	24757	" " Lifting Bracket with 462AL, 624AL and 51846, for 164247.....

NUMERICAL LIST OF PARTS

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No.	Plate	Name
164138	24757	Presser Bar Lifting Lever for 164247
164139	24757	" " " " Spring for 164247.....
164141	24753	Presser Bar (swing-out) Lifting Screw Stud.....
164142	24757	Presser Bar (swing-out) Opening Lever for 164247.....
164143	24757	Presser Bar (upright) for 164247....
164144	24757	" " " " Spring for 164247.....
164147	24758	Presser Foot Clamping Plate for 164357.....
164151	24753	Thread (needle) Controller.....
164153	24753	" " " " Lever for 164211.....
164155	24760	Tension (heavy) Regulating Thumb Nut for 164156.....
164155	24760	Tension (light) Regulating Thumb Nut for 164156 (2).....
164156	-----	Tension (heavy) Screw Stud 50133C with 164155, for 164162.....
164156	-----	Tension (light) Screw Stud 50133C with 164155, for 164160 (2).....
164157	24760	Tension (light) Spring for 164160 (2).....
164158	24760	Tension (heavy) Spring Cover for 164162.....
164158	24760	Tension (light) Spring Cover for 164160 (2).....
164159	24760	Tension (needle thread) Thread Guide
164160	24760	Tension (light) complete, Nos. 59537, 164156, 164157, 164158 and two 2102 (2).....
164161	24760	Tension (heavy) Spring for 164162...
164162	24760	Tension (heavy) complete, Nos. 59537, 164156, 164158, 164161 and two 2102.....
164163	24761	Thread (looper) Stripper and Take-up Eyelet (adjustable) for 164174..
164164	24761	Thread (looper) Thread Eyelet (mov- able) for 164174.....
164165	24761	Thread (looper) Thread Eyelet (sta- tionary) for 164174.....
164166	24761	Thread (looper) Tube for 164174.....
164167	24761	" " Plate with 624AL, for 164174.....
164168	24761	Thread (looper) Plate Cover for 164206.....
164169	24761	Thread (looper) Plate Cover Hinge for 164206.....
164170	24761	Thread (looper) Plate Cover Hinge Pin for 164206.....
164171	24761	Thread (looper) Plate Cover Spring for 164174 (2).....
164172	-----	Spreader Carrier Connection Guide Bar Oil Wick for 164058.....

NUMERICAL LIST OF PARTS

No.	Plate	Name
164173	24761	Thread (looper) Plate Thread Bushing for 164174.....
164174	-----	Thread (looper) Plate complete, Nos. 1423J, 1443J, 1607J, 50318W, 164163, 164164, 164165, 164166, 164167, 164173, 164206 and two each 332J and 164171.....
164175	24754	Thread (looper) Take-up for 164382 and 164383.....
164176	24754	Thread (looper) Take-up Plate.....
164177	24753	" Eyelet (needle thread) for 164210.....
164180	24753	Knife (movable) Lever Guide for 164210.....
164181	24753	Knife (movable) Lever Guide Holder with two 140239AL for 164210....
164182	24753	Knife (movable) Lever Guide Holder Thread Tube for 164210.....
164183	24763	Belt Guard for 164201.....
164184	24763	Machine Base with 50608R, 139017 and two each wood screws 3/4 in. No. 8 R.H. and 1 1/4 in. No. 6 F.H..
164188	24763	Machine Cushion (large) (2).....
164189	24763	" " (small) (2).....
164190	24763	" Pad (felt).....
164194	24757	Pressure Regulating Thumb Screw for 164247.....
164195	24762	Gauge (Accessories).....
164196	24762	Threader (Accessories) (6).....
164197	24762	Wrench (socket) Accessories.....
164198	24762	Presser Bar Lifting Chain Spring (under table) Accessories.....
164199	24763	Belt Guard Bracket (back) for 164201
164200	24763	" " " (front) for 164201.....
164201	24763	Belt Guard (adjustable) complete, Nos. 164183, 164199, 164200 and two each 51326J and wood screws 3/4 in. No. 7 F.H.....
164202	24754	Looper Stop Pin for 164046.....
164203	24762	Feed Eccentric Extractor (Accessories).....
164204	24762	Tweezers (Accessories).....
164205	24751	Cloth Plate Lock Spring for 164241..
164206	-----	Thread (looper) Plate Cover 164168 with 164169 and 164170, for 164174.....
164207	24759	Machine Frame Bracket Key for 164218
164208	-----	Feed (back) and (front) Bars complete, Nos. 164005, 164006, 164007, 164008, 164016, 164017, 164018 and two each 1671C, 164004 and 164009.....
164210	24753	Knife (movable) Lever Guide Holder 164181 with 197J, 164177, 164180 and 164182.....

NUMERICAL LIST OF PARTS

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No.	Plate	Name
164211	-----	Knife (movable) Lever 164031 with 132583, 164035, 164136 and 164153.....
164212	-----	Looper Carrier Holder 164047 with 1324C, 59456 and 164046.....
164213	-----	Spreader Driving Lever 164062 with 1443J, 1700J, 132565, 164056, 164057, 164058, 164059, 164061, 164068 and 164397.....
164214	-----	Machine Frame Top Cover 164101 with 330J, 164103 and two each 54865 and 64666.....
164215	-----	Looper Driving Shaft Crank 164051 with 164052, for 164090.....
164216	-----	Spreader Driving Shaft Crank 164066 with 164052, for 164090.....
164217	-----	Needle Driving Shaft Crank Connec- tion 164116 with 164115, for 164090.....
*164218	-----	Machine Frame Bracket 164076 with 164207 and two 187E, for 164073.
164219	24754	Spreader Position Collar with 904E..
164229	24759	Machine Frame Bracket Screw (large) Washer (felt).....
164231	24755	Machine Pulley (round and "v" belt) with two 448AL.....
164232	24755	Machine Frame Rotary Shaft Ball Sleeve Guide for 164090 (2).....
164234	24757	Blind Stitch Hemming Attachment Ad- justing Slide (cylindrical) for 164237.....
164235	24757	Blind Stitch Hemming Attachment Hinge Bracket for 164237.....
164236	24757	Blind Stitch Hemming Attachment Sup- port for 164237.....
164237	24757	Blind Stitch Hemming Attachment Sup- port complete, Nos. 140456K, 140457J, 140458C, 164234, 164235, 164236 and 164238.....
164238	24757	Blind Stitch Hemming Attachment Sup- port Cap for 164237.....
164239	24751	Cloth Plate Extension for 164241....
164240	24751	" " for 164241.....
164241	24751	Cloth Plate with Extension complete, Nos. 1700J, 164205, 164239, 164240 and two 914J.....
164242	24758	Feed (back) Dog Section (left) for 164244.....
164243	24758	Feed (back) Dog Section (right) for 164244 and 164364.....
164244	24758	Feed (back) Dog complete, for 164383, Nos. 1100AL, 164242 and 164243.....
164246	24757	Knife (movable) Lever Cover and Presser Bar (upright) Housing with 1259AL, for 164247.....

NUMERICAL LIST OF PARTS

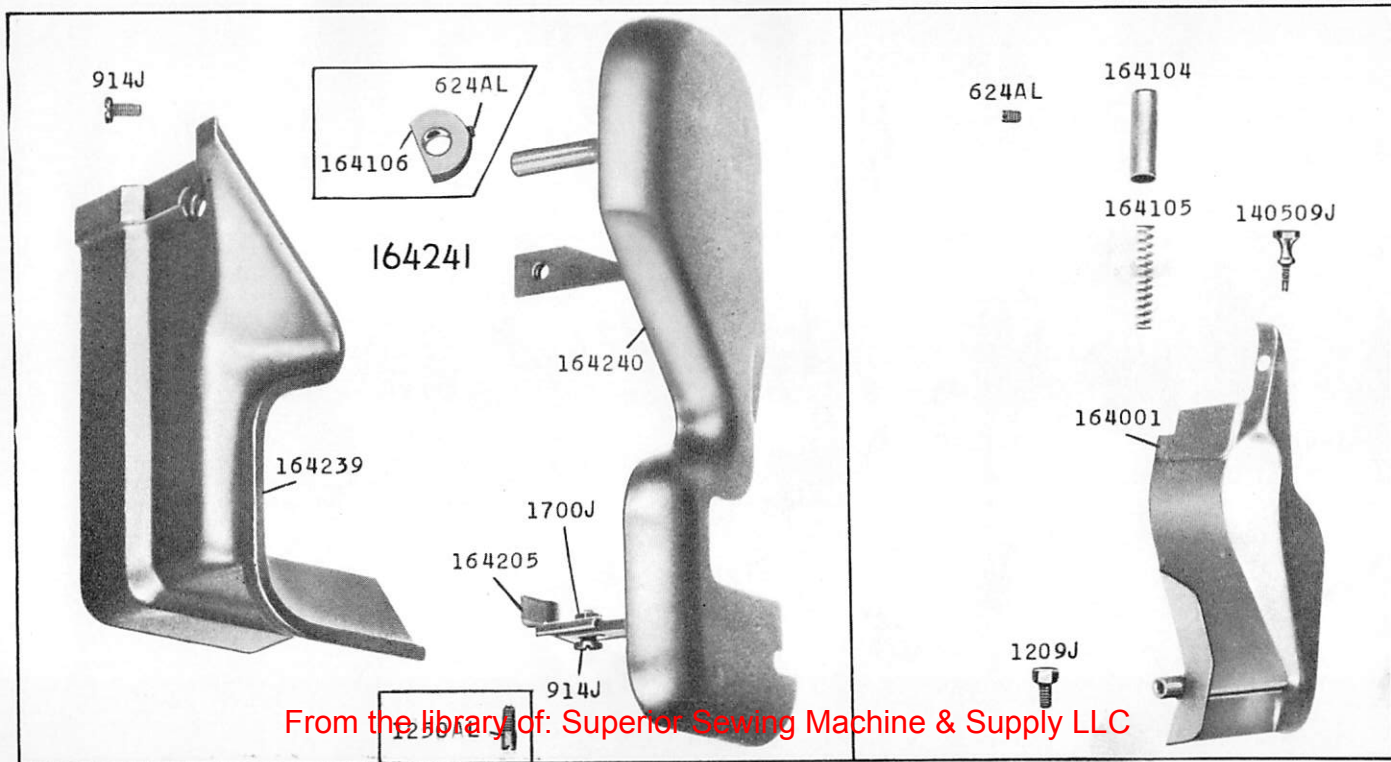
No.	Plate	Name
164247	-----	Knife (movable) Lever Cover and Presser Bar (upright) Housing complete, Nos. 50060K, 164137, 164138, 164139, 164142, 164143, 164144, 164194 and 164246.....
164252	24754	Spreader for 164382 and 164383.....
164269	-----	Knife (movable) Lever Hinge Stud Oil Wick (short) for 164035.....
164275	-----	Needle Driving Shaft 164110 with 51720C, 164109 and 164117.....
164285	24760	Tension (looper thread) Thread Guide (left).....
164286	24760	Tension (looper thread) Thread Guide (right).....
164293	24754	Looper Driving Shaft Bushing (back) Cap Screw Washer (fiber).....
164293	24754	Spreader Driving Shaft Bushing (back) Cap Screw Washer (fiber).
164313	24759	Machine Frame Oil Plug Screw Washer (steel).....
164314	24759	Machine Frame Oil Plug Screw Washer (cork).....
164347	24753	Chain Cutter for 164382 and 164383..
164348	24758	Feed (front) Dog for 164383.....
164349	24758	Looper Thread Tube.....
164350	24753	Presser Bar (swing-out) for 164382 and 164383.....
164351	24753	Presser Bar (swing-out) Pivot Screw Lock Washer.....
*164352	-----	Presser Foot Body (back) for 164354.
*164353	-----	" " " (front) for 164354
164354	24758	" " " (hinged) for 164357, Nos. 164352, 164353 and 164355.....
164355	24758	Presser Foot Body Hinge Pin for 164354.....
164356	24758	Presser Foot Chaining-off Finger for 164357.....
164357	24758	Presser Foot (hinged) complete, for 164382 and 164383, Nos. 50225J, 164147, 164354 and 164356.....
164358	24758	Throat Plate for 164382 and 164383..
164363	24765	Feed (back) Dog Section (left) for 164364.....
164364	24765	Feed (back) Dog complete for 164382, Nos. 1100AL, 164243 and 164363..
164365	24765	Feed (front) Dog for 164382.....
164382	24765	Set of Fittings complete, for Rayon, Balbriggan and Nylon, for two- thread blind hem stitch, Nos. 164026, 164037, 164045, 164091, 164175, 164252, 164347, 164350, 164357, 164358, 164364, 164365 and two 51362AL.....

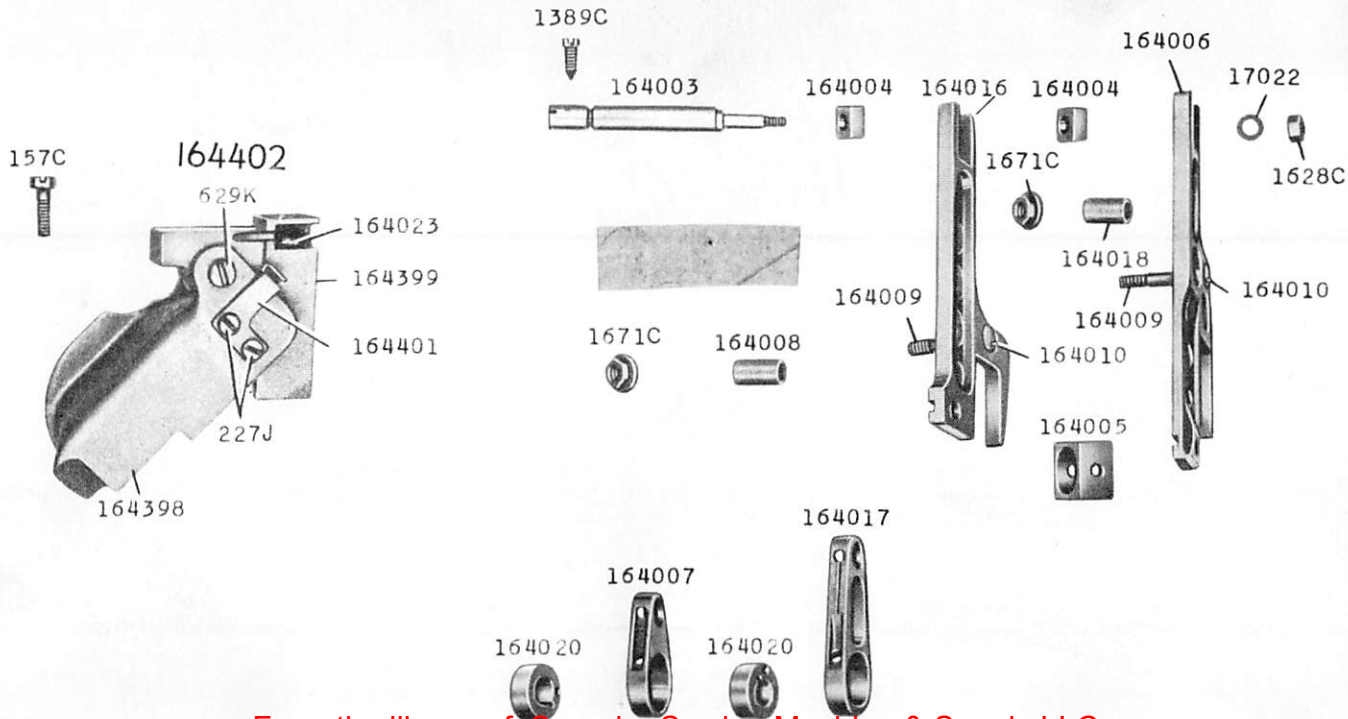
No.	Plate	Name
164383	24766	Set of Fittings complete, for light and medium weight Sweater Materials, for two-thread blind hem stitch, Nos. 164026, 164037, 164045, 164091, 164175, 164244, 164252, 164347, 164348, 164350, 164357, 164358 and two 51362AL..
164397	24754	Spreader Carrier Connection Hinge Stud Adjusting Pin for 164213...
164398	24752	Feed Eccentric Cover for 164402.....
164399	24752	" " " Bracket for 164402.....
164401	24752	Feed Eccentric Cover Latch Spring for 164402.....
164402	24752	Feed Eccentric Cover complete, Nos. 629K, 164023, 164398, 164399, 164401 and two 227J.....
168198	24763	Chip Chute with four wood screws 3/8 in. No. 6 R.H. blacked.....

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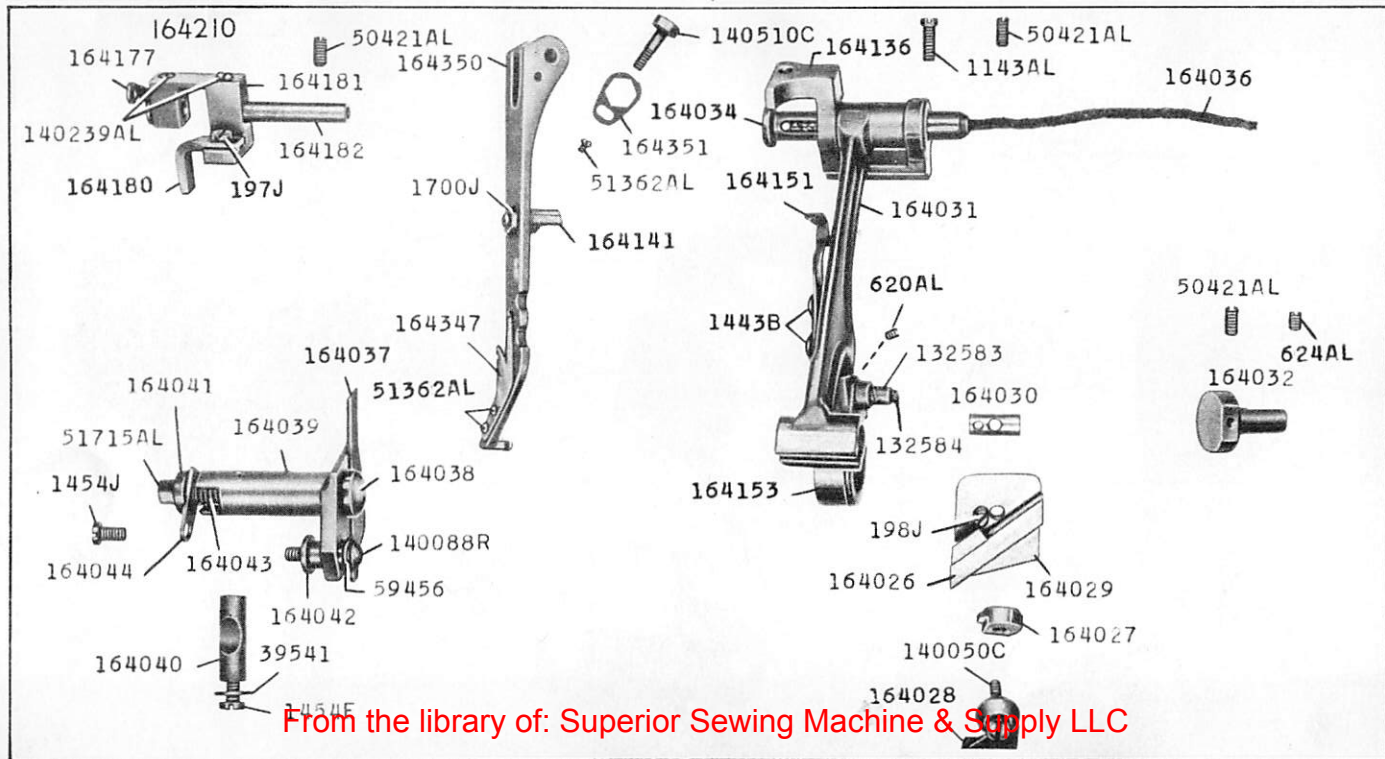
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OF
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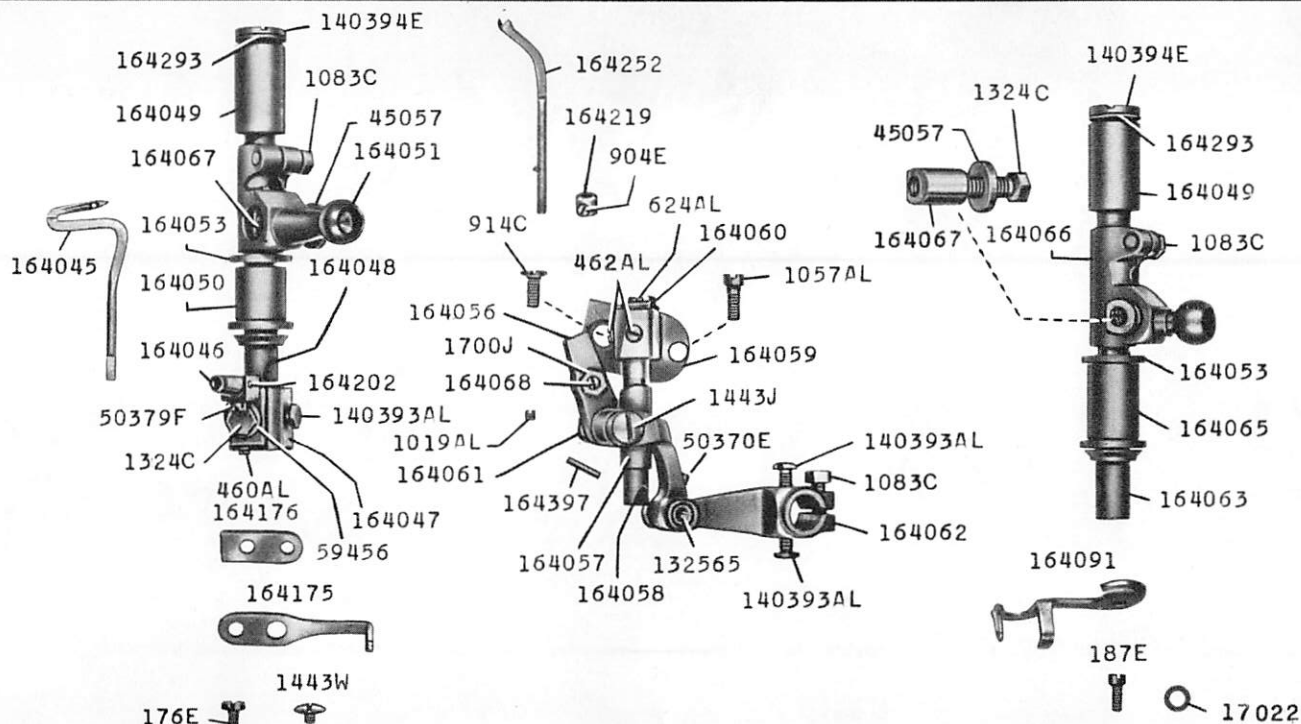


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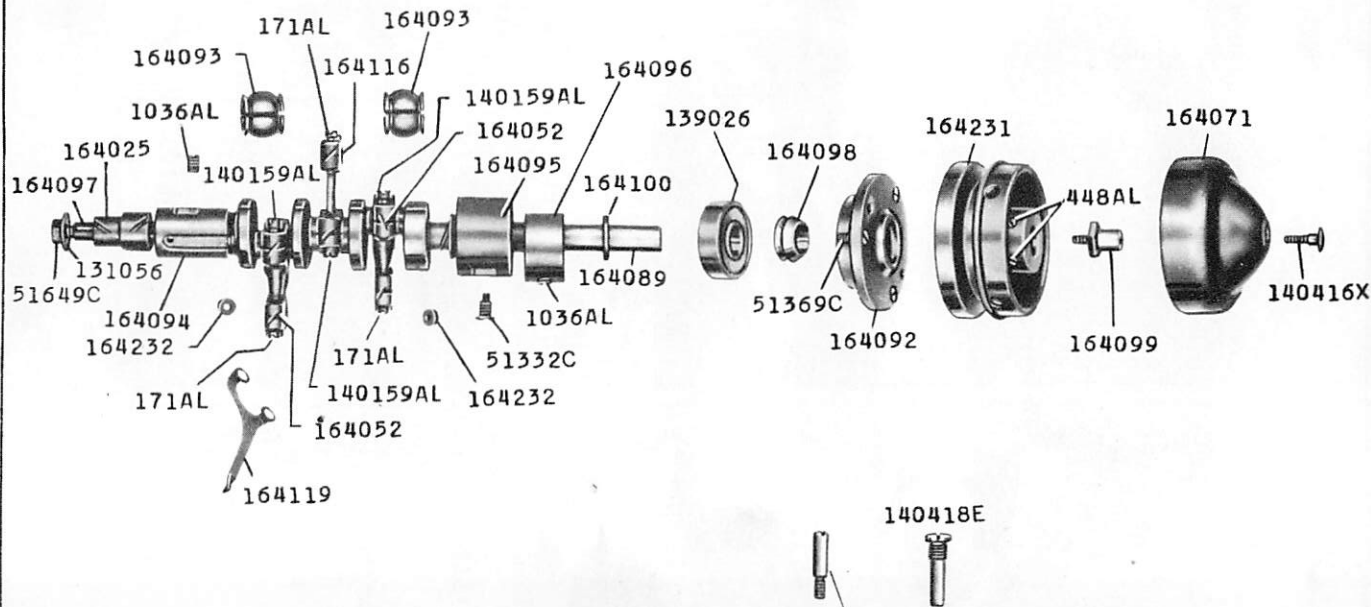
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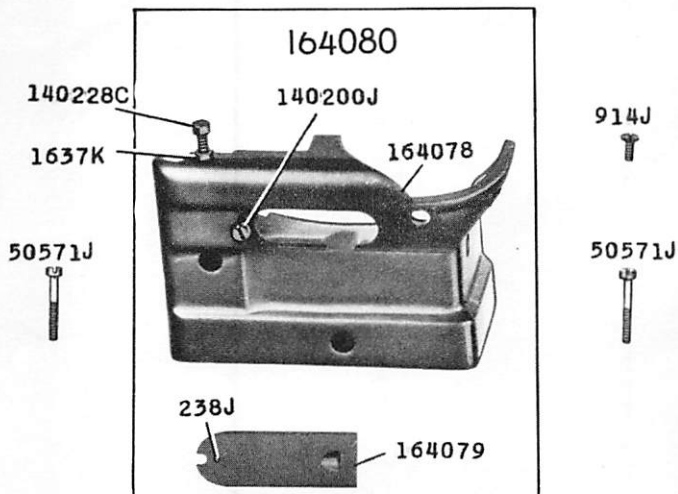
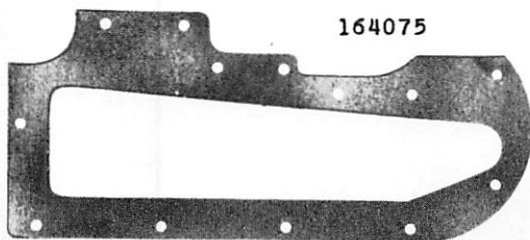
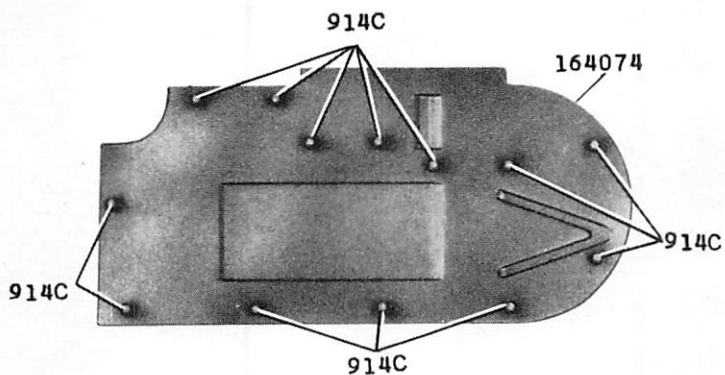
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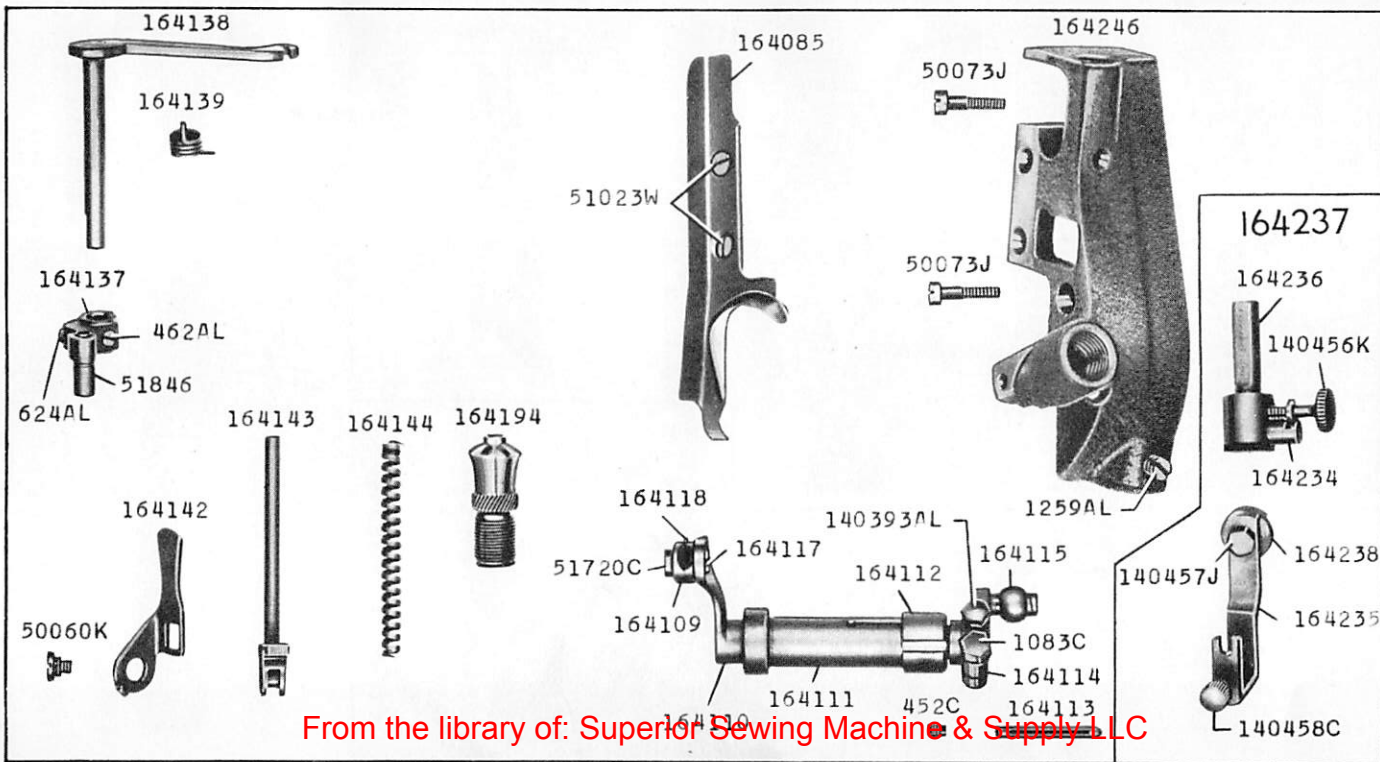


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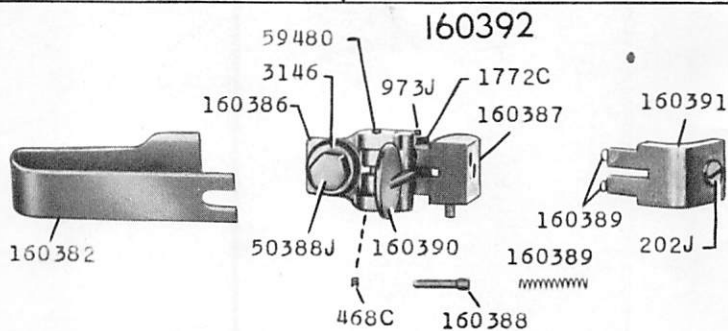
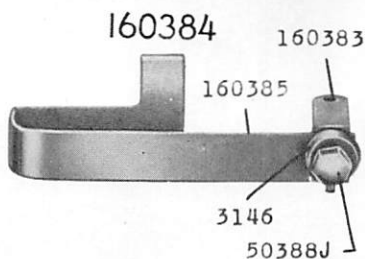
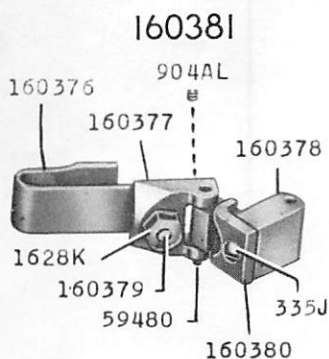
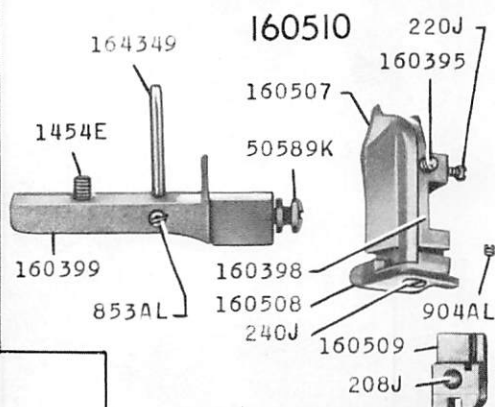
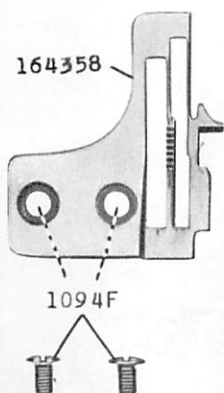
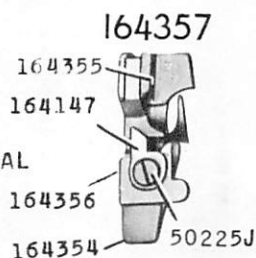
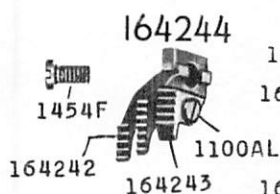
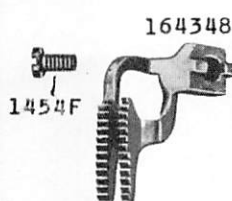


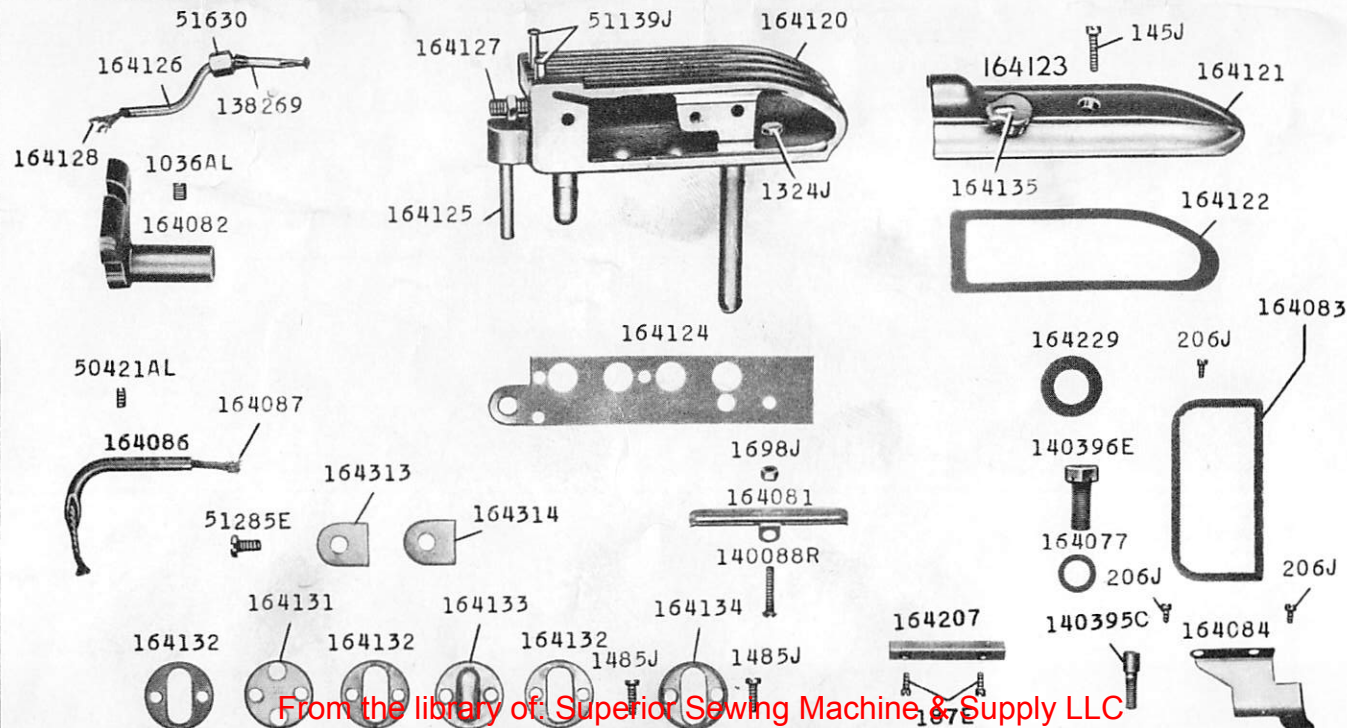


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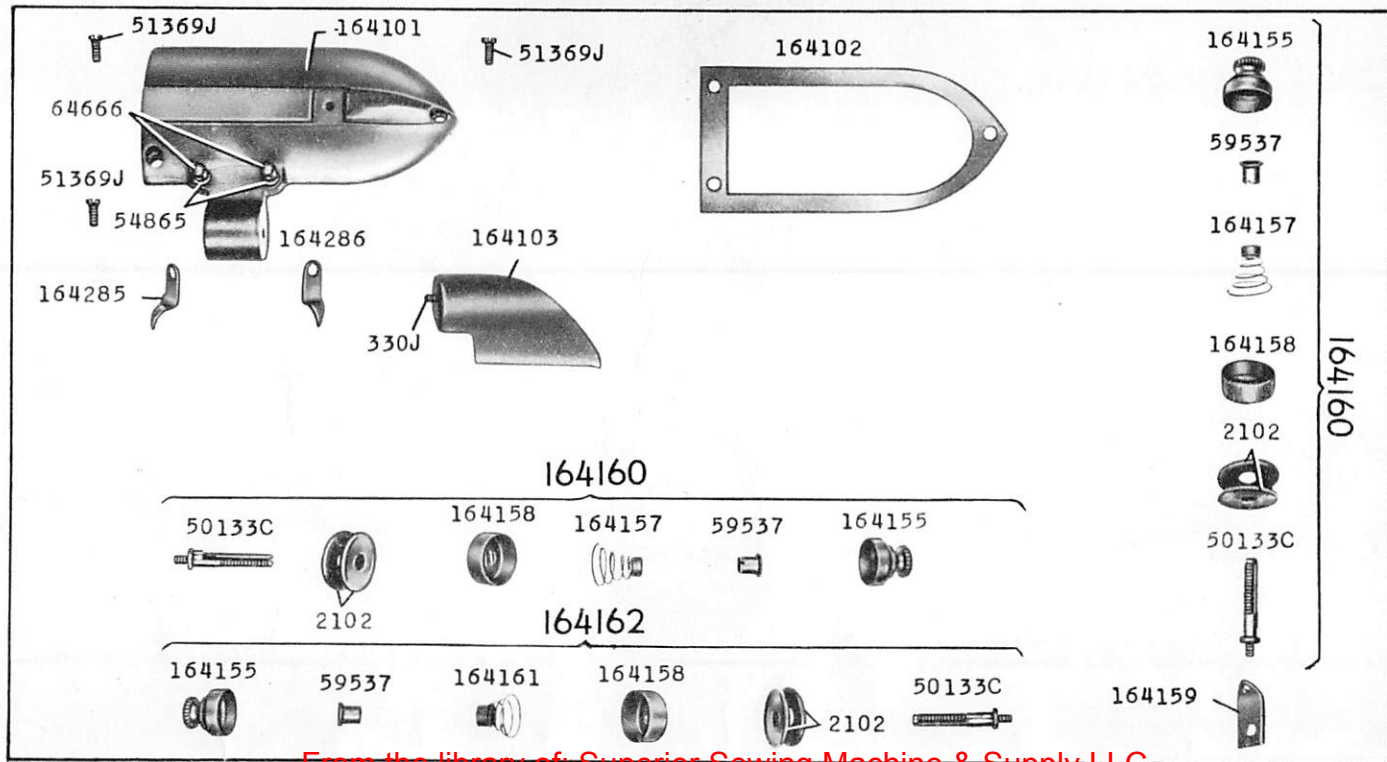
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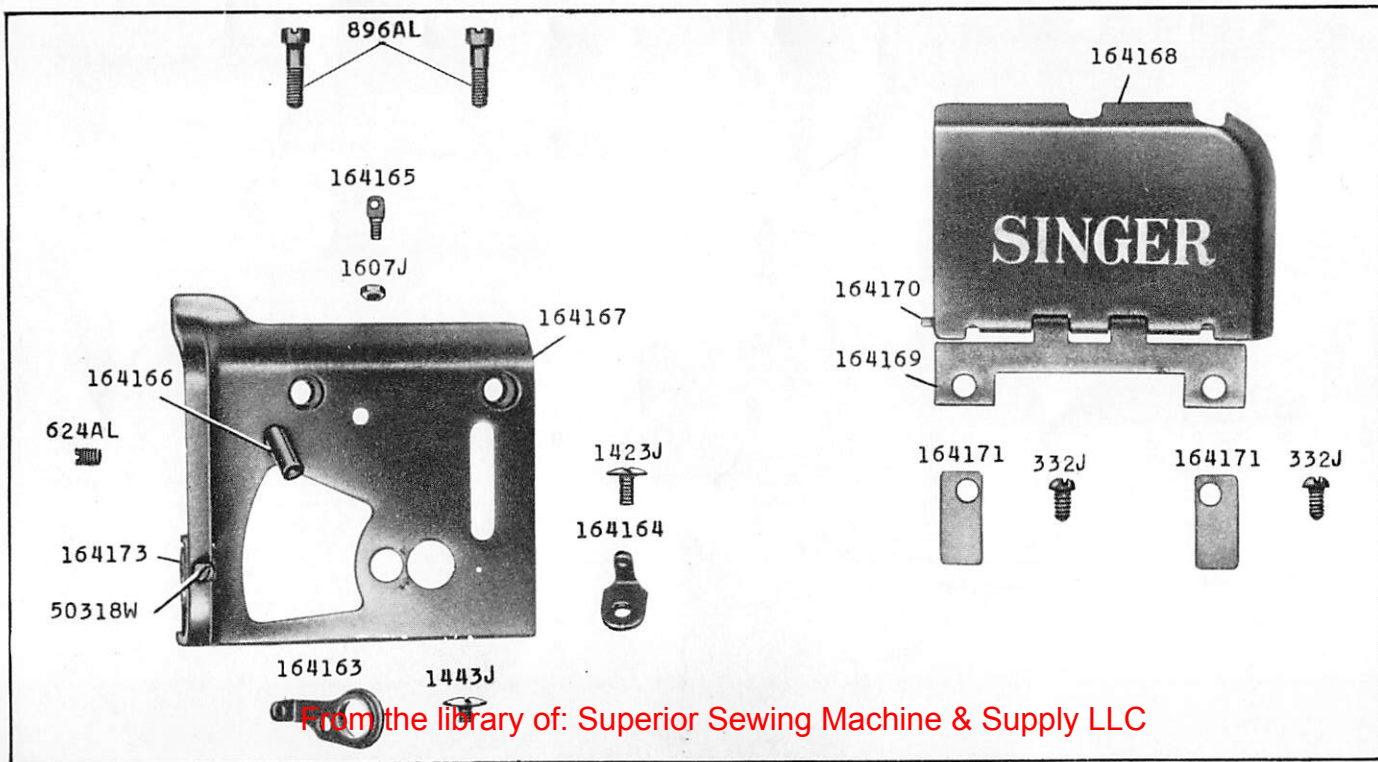


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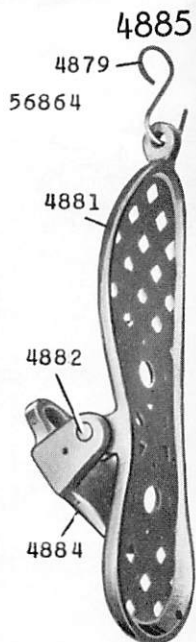
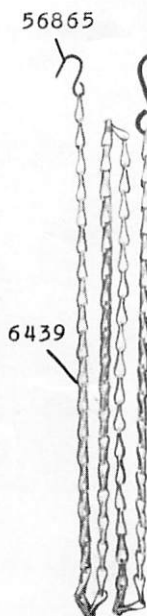
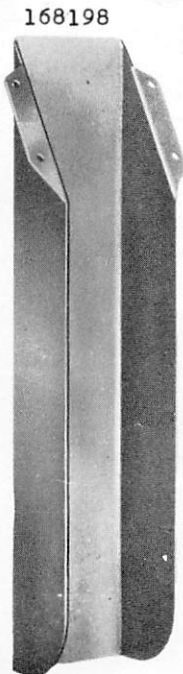
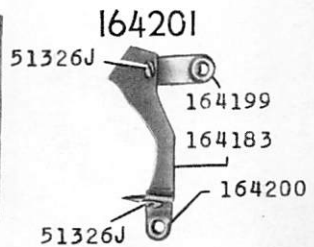
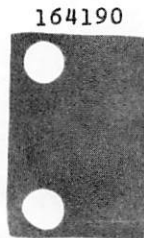
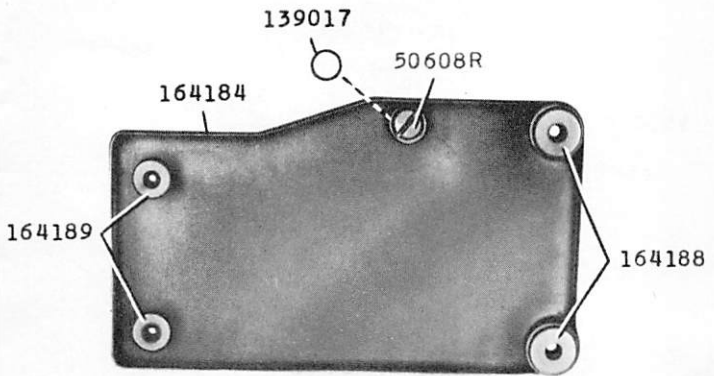
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24764 - 1/6

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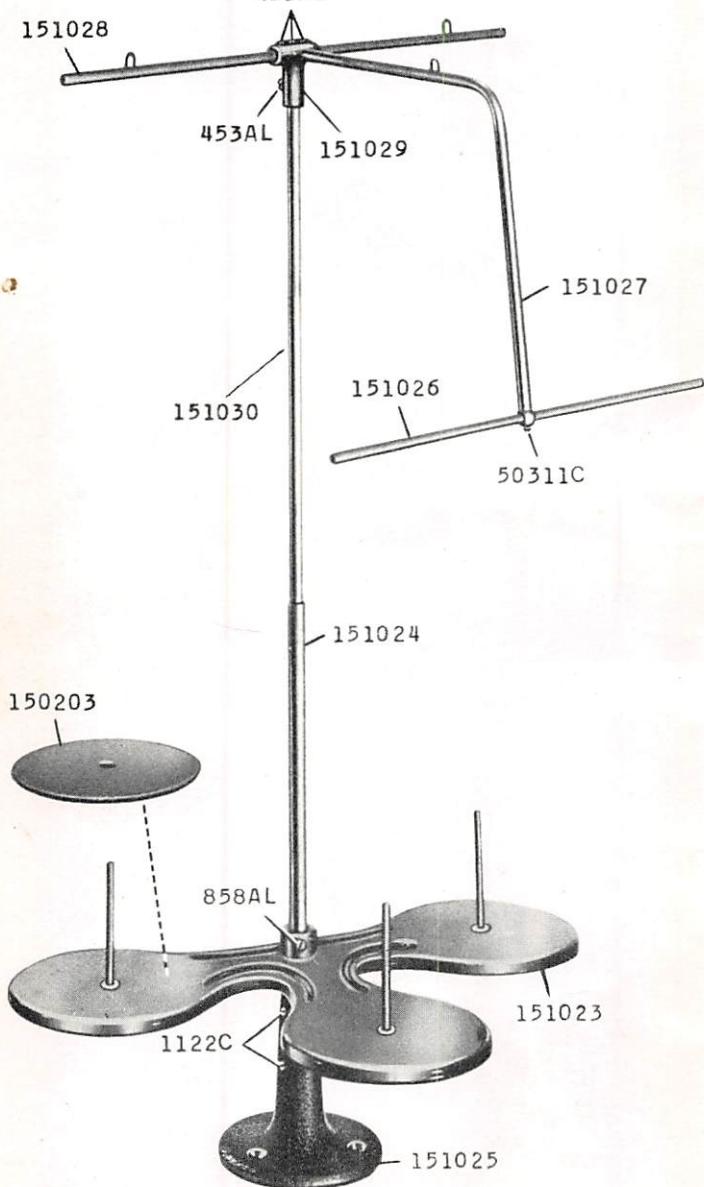
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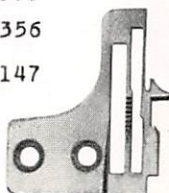
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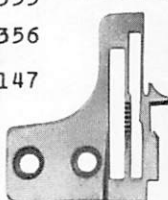
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