

SINGER
404-1,-4,-5

LIST OF PARTS FOR FAMILY SHOPS



SINGER^{**} MACHINES Nos. 404-1, 404-4 and 404-5

THE SINGER MANUFACTURING COMPANY

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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
- B—Polished, Nickel Plated and Buffed
- C—Hardened Only
- D—Polished Only
- E—Soft, Not Polished
- F—Hardened and Polished
- G—Bright Rumbled and Nickel Plated
- H—Blued
- J—Nickel Plated Only
- K—Hardened and Nickel Plated
- L—Brass Plated
- M—Oxidized
- R—Phosphate Coating Formed on Surface of Iron or Steel
- S—Cadmium Plated
- T—Copper Plated
- U—Zinc Plated
- V—Silver Plated
- W—Polished and Nickel Plated
- X—Black Oxide for Iron and Steel
- Y—Black Nickel Plated Only
- Z—Chromium Plated
- A.A—Buffed and Chromium Plated
- A.B—Hardened, Polished, Buffed and Chromium Plated
- 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) Color Must be Stated
- A.J—Polished, Nickel Plated and Chromium Plated
- A.K—Hardened, Polished, Nickel Plated and Chromium Plated
- A.L—Heat Treated for Toughness
- A.L.D—Heat Treated for Toughness and Polished
- A.L.X—Heat Treated for Toughness and Black Oxide

INSTRUCTIONS FOR ORDERING

- A.S—Black Moulded Phenolic
- A.T—Beige Moulded Phenolic
- A.U—Brown Moulded Phenolic
- A.W—Hardened then Flame Coated with Tungsten Carbide
- B.A—Chrome Nickel Satin Finish
- B.B—Hardened and Chrome Nickel, Satin Finished
- C.R—Hardened and Phosphate Coating Formed on Surface of Steel
- F.J—Hardened, Polished and Nickel 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
- X.C—Hardened and Black Oxide for Iron and Steel
- 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.

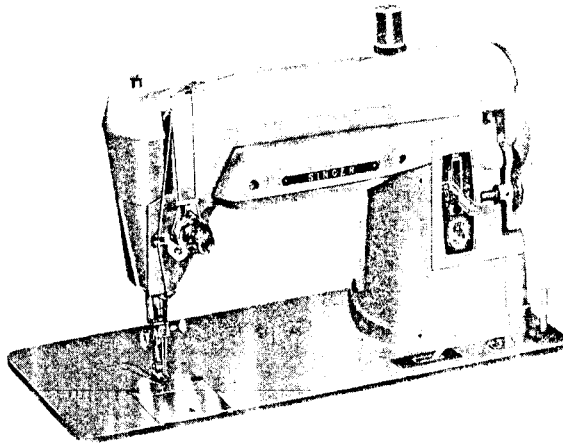
In this series:

1 to 1500, 50001 to 51500 and 140001 to 142,000 are screw numbers
 1501 to 1800 and 51500 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 the factory.

LIST OF PARTS COMPLETE
FOR



MACHINE NO. 404-1

No.	Plate	Name
*179001	-----	Arm
		NOTE: Due to the accuracy required for gear alignment, Arm cannot be supplied separately and can only be sent as a unit, Arm and Bed assembled.
*179002	-----	Arm and Bed (assembled) with 45706, 51361R, 140792X, 170078, 170132, two each 140739E, 170005, 172177, four 140749C and seven 140702AL.....
172177	25805	Arm Dowel Pin (2).....
172001	25805	Arm Oil Shield.....
140739E	25805	Arm Screw (back and right) (2)
140792X	25805	Arm Screw (front)
179003	25801	Arm Shaft (horizontal) with Needle Bar Crank, 1259AL and 140886AL
140558AL	25801	Arm Shaft (horizontal) Bevel Gear, Feed Cam and Feed Lifting Eccentric Set Screw.....
		NOTE: Pairs of Gears or Individual Gears are not furnished to U.S.A. and Canadian Agencies Machine must be returned to the factory for gear replacements.
170005	25801	Arm Shaft (horizontal) Bushing (back).....

PARTS FOR MACHINE No. 404-1

No.	Plate	Name
170005	25801	Arm Shaft (horizontal) Bushing (front).....
170006	25801	Arm Shaft (horizontal) Collar with 453AL
453AL	25801	Arm Shaft (horizontal) Collar Set Screw....
172005	25801	Arm Shaft (horizontal) Counterbalance.....
140559C	25801	Arm Shaft (horizontal) Counterbalance Set Screw
172006	25801	Arm Shaft (upright)
1259AL	25801	Arm Shaft (upright) Bevel Gear (lower) Set Screw
NOTE: Pairs of Gears or Individual Gears are not furnished to U.S.A. and Canadian Agencies. Machine must be returned to the factory for gear replacement.		
1259AL	25801	Arm Shaft (upright) Bevel Gear (upper) Set Screw.....
NOTE: Pairs of Gears or Individual Gears are not furnished to U.S.A. and Canadian Agencies. Machine must be returned to the factory for gear replacements.		
45706	25801	Arm Shaft (upright) Bushing (lower)
170132	25801	Arm Shaft (upright) Bushing (upper)
179004	25802	Arm Top Cover.....
179005	25802	Arm Top Cover complete, Nos. 172001, 179004, two 189ZJ and four 170168.....
141ZB	25802	Arm Top Cover Screw (2)
172011	25802	Arm Top Cover Thread Guide
189ZJ	25802	Arm Top Cover Thread Guide Screw (2)....
*172176	-----	Bed
NOTE: Due to the accuracy required for gear alignment, Bed cannot be supplied separately and can only be sent as a unit, Arm and Bed assembled.		
NOTE: When ordering No. 172176 color required must be stated.		
172012	25803	Bed Cover Plate (bottom).....
172013	-----	Bed Cover Plate (bottom) 172012 with 172014
172014	25803	Bed Cover Plate (bottom) (felt)
51361R	25803	Bed Cover Plate (bottom) Screw
51621R	25803	Bed Cover Plate (bottom) Screw Thumb Nut
8879	25803	Bed Cover Plate (bottom) Screw Thumb Nut Washer (felt)
NOTE: When ordering No. 8879 color required must be stated.		
172203	25803	Bed Cushion (4)
140809E	25803	Bed Cushion Screw (4)

PARTS FOR MACHINE No. 404-1

No.	Plate	Name
172015	25812	Bed Slide
172016	25812	Bed Slide Spring
140828ALJ	25812	Bed Slide Spring Screw.....
51738ZB	25808	Clamp Stop Motion Clamp Nut
140881ZA	25808	Clamp Stop Motion Clamp Stop Screw.....
170169	25808	Clamp Stop Motion Clamp Washer
170030	25805	Face Plate Catch
219J	25805	Face Plate Catch Screw
170032	25805	Face Plate Hinge Pin (2).....
179006	25805	Face Plate with Threading Diagram complete, Nos. 219J, 170030 and two 170032
172026	25806	Feed Bar.....
170037	25806	Feed Bar Connecting Link.....
999C	25806	Feed Bar Connecting Link Hinge Screw...
45723	25806	Feed Bar Connecting Link Hinge Stud ...
315C	25806	Feed Bar Screw Center (2)
15445	-----	Feed Bar Screw Center 315C with 1519R (2)
1519R	25806	Feed Bar Screw Center Nut (2)
179016	25812	Feed Dog, 13 teeth (16 teeth to the inch)
197X	25812	Feed Dog Screw (2).....
170045	25807	Feed Forked Connection with 170119
140812C	25807	Feed Forked Connection Hinge Screw (eccentric)
1520R	25807	Feed Forked Connection Hinge Screw Nut
170046	25807	Feed Forked Connection Slide Block.....
170119	-----	Feed Forked Connection Slide Block 170046 with 1085E
1085E	25807	Feed Forked Connection Slide Block Screw Stud.....
172028	25806	Feed Lifting Rock Shaft.....
140749C	25806	Feed Lifting Rock Shaft Center (2)
140702AL	25806	Feed Lifting Rock Shaft Center Set Screw (2)
172029	25806	Feed Lifting Rock Shaft Center Set Screw Insert (brass) (2)
170051	25807	Feed Lifting Rock Shaft Connecting Rod with two 896AL
896AL	25807	Feed Lifting Rock Shaft Connecting Rod Cap Screw (2).....
140576C	25807	Feed Lifting Rock Shaft Connecting Rod Hinge Screw (eccentric)
1520R	25807	Feed Lifting Rock Shaft Connecting Rod Hinge Screw (eccentric) Nut
172179	25807	Feed Regulator with 1120AL
172180	-----	Feed Regulator with 1120AL and 172170
140767C	25807	Feed Regulator Hinge Screw
170179	25807	Feed Regulator Hinge Screw Tension Spring

PARTS FOR MACHINE No. 404-1

No.	Plate	Name
170180	25807	Feed Regulator Hinge Screw Tension Spring Seat
172170	25807	Feed Regulator Stud
1120AL	25807	Feed Regulator Stud Set Screw
172171	25807	Feed Regulator Stud Slide
172172	25807	Feed Regulator Stud Slide Actuating Thumb Nut
172173	25807	Feed Regulator Stud Slide Actuating Thumb Nut Washer
990ZB	25807	Feed Regulator Stud Slide Actuating Thumb Nut Washer Screw
170054	25806	Feed Rock Shaft
140749C	25806	Feed Rock Shaft Center (2)
140702AL	25806	Feed Rock Shaft Center Set Screw (2)
172029	25806	Feed Rock Shaft Center Set Screw Insert (brass) (2)
170055	25805	Feed Rock Shaft Clearance Hole Cover ..
	NOTE:	When ordering No. 170055 color required must be stated.
170177	25808	Hand Wheel
	NOTE:	When ordering No. 170177 color required must be stated.
172263	25808	Hand Wheel Gear (Nylon)
170020	25808	Hand Wheel Gear Spring
170021	25808	Hand Wheel Snap Ring
172264	25808	Hand Wheel complete, Nos. 170020, 170021, 170177 and 172263
	NOTE:	When ordering No. 172264 color required must be stated.
51045AL	-----	Machine Hinge Connection Set Screw (2)
179007	25809	Needle Bar (hollow)
179008	25809	Needle Bar Bushing
453AL	25809	Needle Bar Bushing Set Screw
187E	25809	Needle Bar Clamping Screw
172038	25809	Needle Bar Connecting Link
179009	-----	Needle Bar Connecting Link 172038 with 179011
179010	25809	Needle Bar Connecting Stud with 187E ..
179011	-----	Needle Bar Connecting Stud 179010 with 125044
125044	25809	Needle Bar Connecting Stud Oil Wick
140886AL	25801	Needle Bar Crank Position Screw
172223	25809	Needle Clamp Body
172224	-----	Needle Clamp 172223 with 140751ZA
189ZJ	25809	Needle Clamp, Needle Clamp Thread Guide and Needle Stop Screw
172225	25809	Needle Clamp Thread Guide

PARTS FOR MACHINE No. 404-1

No.	Plate	Name
172066	25809	Needle Stop Screw Thread Protector
140751ZC	25809	Needle Thumb Screw
170168	25802	Oil Metering Insert (4)
170140	-----	Pair of Gears (lower shaft) consisting of Arm Shaft (upright) Bevel Gear (lower) and Rotating Hook Shaft Bevel Gear (back) (back)
	NOTE:	No. 170140 is not furnished to U.S.A. and Canadian Agencies. The machine must be returned to the factory for gear replacements.
172097	-----	Pair of Gears (lower shaft, Rotating Hook end) consisting of Rotating Hook Drive Shaft Bevel Gear (front) and Rotating Hook Hook Bevel Gear
	NOTE:	No. 172097 is not furnished to U.S.A. and Canadian Agencies. The machine must be returned to the factory for gear replacements.
170141	-----	Pair of Gears (upper shaft) consisting of Arm Shaft (horizontal) Bevel Gear, Feed Cam and Feed Lifting Eccentric and Arm Shaft (upright) Bevel Gear (upper)
	NOTE:	No. 170141 is not furnished to U.S.A. and Canadian Agencies. The machine must be returned to the factory for gear replacements.
172068	25810	Presser Bar (hollow)
172069	25810	Presser Bar Bushing
453AL	25810	Presser Bar Bushing Set Screw
170065	25810	Presser Bar Guide Bracket with 453AL
453AL	25810	Presser Bar Guide Bracket Set Screw
172070	25810	Presser Bar Lifter
85E	25810	Presser Bar Lifter Hinge Screw
170067	25810	Presser Bar Spring
170068	-----	Presser Bar Spring 170067 with 170183 ..
170071	25812	Presser Foot (hinged) complete
140240ZB	25812	Presser Foot Thumb Screw
140586ZB	25810	Pressure Regulating Thumb Screw
170183	25810	Pressure Regulating Thumb Screw Extension Pin
172080	25813	Rotating Hook
172081	-----	Rotating Hook 172080 with 172083
172222	25813	Rotating Hook Bobbin
172082	25813	Rotating Hook Bobbin Case
172083	25813	Rotating Hook Bobbin Case 172082 with 1172F, 1173E and 172202

PARTS FOR MACHINE No. 404-1

No.	Plate	Name
172084	25813	Rotating Hook Bobbin Case Cushion Spring
172085	25813	Rotating Hook Bobbin Case Cushion Spring Bracket
172086	-----	Rotating Hook Bobbin Case Cushion Spring Bracket 172085 with 172084 and two 662AL.....
172087	25813	Rotating Hook Bobbin Case Cushion Spring Bracket Adjusting Stud (eccentric)
50311AL	25813	Rotating Hook Bobbin Case Cushion Spring Bracket Adjusting Stud (eccentric) Set Screw
662AL	25813	Rotating Hook Bobbin Case Cushion Spring Screw (2)
172207	25813	Rotating Hook Bobbin Case Position Finger
453AL	25813	Rotating Hook Bobbin Case Position Finger Set Screw
1172F	25813	Rotating Hook Bobbin Case Tension Regulating Screw
172202	25813	Rotating Hook Bobbin Case Tension Spring
1173E	25813	Rotating Hook Bobbin Case Tension Spring Screw.....
172089	25813	Rotating Hook and Position Finger Bracket
140702AL	25813	Rotating Hook and Position Finger Bracket Set Screw (2)
172090	-----	Rotating Hook and Position Finger Bracket 172089 with 50311AL, 172096 and two each 453AL and 140702AL
172091	-----	Rotating Hook and Position Finger Bracket 172090 with 231X, 172081, 172086, 172087, 172092 and 172207.....
172092	25813	Rotating Hook and Position Finger Bracket Spring
231X	25813	Rotating Hook and Position Finger Bracket Spring Screw
172093	25801	Rotating Hook Drive Shaft
1259AL	25801	Rotating Hook Drive Shaft Bevel Gear (back) Set Screw (2)
NOTE: Pairs of Gears or Individual Gears are not furnished to U.S.A. and Canadian Agencies. Machine must be returned to the factory for gear replacements.		

PARTS FOR MACHINE No. 404-1

No.	Plate	Name
1259AL	25801	Rotating Hook Drive Shaft Bevel Gear (front) Set Screw
NOTE: Pairs of Gears or Individual Gears are not furnished to U.S.A. and Canadian Agencies. Machine must be returned to the factory for gear replacements.		
170078	25801	Rotating Hook Drive Shaft Bushing (back)
140702AL	25801	Rotating Hook Drive Shaft Bushing (back) Set Screw.....
172094	25801	Rotating Hook Drive Shaft Bushing (front)
140702AL	25801	Rotating Hook Drive Shaft Bushing (front) Set Screw (2)
172095	25801	Rotating Hook Drive Shaft Collar with 209AL
209AL	25801	Rotating Hook Drive Shaft Collar Set Screw
1259AL	25813	Rotating Hook Bevel Gear Set Screw
NOTE: Pairs of Gears or Individual Gears are not furnished to U.S.A. and Canadian Agencies. Machine must be returned to the factory for gear replacements.		
172096	25813	Rotating Hook Flanged Bushing
453AL	25813	Rotating Hook Flanged Bushing Set Screw
45345	25814	Slack Thread Regulator and Tension Thread Guide
329ZB	25814	Slack Thread Regulator and Tension Thread Guide and Thread Guide (upper) Screw
179012	25807	Stitch Indicator Plate with Machine Class Number and Trade Mark
140082TM	25807	Stitch Indicator Plate Screw (2)
172226	25814	Tension Disc (3)
125415	25814	Tension Indicator
NOTE: When ordering No. 125415 color required must be stated.		
125416	25814	Tension Indicator Flange
NOTE: When ordering No. 125416 color required must be stated.		
172214	25814	Tension Indicator Flange 125416 with 172215, 172216 and 172217.....
172215	25814	Tension Indicator Flange Adaptor
172216	25814	Tension Indicator Flange Adaptor Thumb Nut with 906ALZJ.....
172217	25814	Tension Indicator Flange Adaptor Thumb Nut Cap
906ALZJ	25814	Tension Indicator Flange Adaptor Thumb Nut Cap Set Screw

PARTS FOR MACHINE No. 404-1

No.	Plate	Name
172218	25814	Tension Indicator Flange Stop Washer
172139	25814	Tension Releasing Lever.....
140563C	25814	Tension Releasing Lever Hinge Screw ..
12329	25814	Tension Releasing Lever Spring
172140	25814	Tension Releasing Pin.....
125314	25814	Tension Spring
140178ZJ	25814	Tension Stud
172221	-----	Tension Stud 140178ZJ and 172214
140756AL	25814	Tension Stud Set Screw
172227	25814	Tension (graduated) adjustable complete, Nos. 66774, 125314, 125415, 172140, 172218, 172221, 172228 and three 172226
NOTE: When ordering No. 172227, color required for No. 125415 must be stated.		
172143	25814	Thread Guide (upper)
179013	25809	Thread Guide (lower)
172145	25809	Thread Take-up Stud
1259AL	25809	Thread Take-up Stud Set Screw
172146	25809	Thread Take-up Lever
172147	25809	Thread Take-up Lever complete, Nos. 45824, 45825 and 172146
179014	-----	Thread Take-up Lever 172147 with 1130E, 172145, 173558 and 179009
45824	25809	Thread Take-up Lever Hinge Stud
45825	25809	Thread Take-up Lever Link
173558	25809	Thread Take-up Lever Link Hinge Stud ..
33704	-----	Thread Take-up Lever Link Hinge Stud 173558 with 1130E
1130E	25809	Thread Take-up Lever Link Hinge Stud Cap Screw.....
941AL	25809	Thread Take-up Lever Link Hinge Stud Set Screw
66774	25814	Thread Take-up Spring
172228	25814	Thread Take-up Spring Thread Guard
179015	25812	Throat Plate
172151	25815	Throat Plate Clamp (2)
172152	25815	Throat Plate Clamp Adjusting Screw.....
172153	25815	Throat Plate Clamp Pin (2)
172213	25815	Throat Plate Clamp Pin Positioning Bracket
172154	25815	Throat Plate Clamp Spring (2)
172211	25815	Throat Plate Position Bracket
172156	25815	Throat Plate Position Indicator Plate
NOTE: When ordering No. 172156, color of Back- ground required must be stated.		
140895TM	25815	Throat Plate Position Indicator Plate Screw (2)

PARTS FOR MACHINE No. 404-1

No.	Plate	Name
172157	25815	Throat Plate Position Lever
140065X	25815	Throat Plate Position Lever Screw
172158	25815	Throat Plate Position Lever Spring
172159	25815	Throat Plate Position Lever Stop Plate ..

MACHINE NO. 404-4

For use with School Sewing and Cutting Table
Sets Nos. 417, 418 and 419

This Machine is the same as the 404-1 Machine with the following exceptions:

ELECTRICAL FITTINGS

No.	Plate	Name
196942	-----	Controller Starting Pitman
197745	25824	Safety Switch (Mercury) Mounting Bracket
197746	25824	Safety Switch (Mercury) Mounting Bracket Gasket
219J	25824	Two-pin Terminal and Feed Rock Shaft Clearance Hole Cover Plate Screw (2) ..
197744	25824	Wiring Harness with Safety (Mercury) Switch complete, in place of 197719
140839J	25824	Wiring Harness Ground Wire Screw
1628E	25824	Wiring Harness Ground Wire Screw Nut
197175	25829	Wiring Outfit complete, Nos. 196682, 885960, two 197179 and four wood screws 3/4 in. No. 8 R.H.B.

LIST OF PARTS COMPLETE
FOR
MACHINE NO. 404-5

No.	Plate	Name
*179018	-----	Arm
	NOTE:	Due to the accuracy required for gear alignment, Arm cannot be supplied separately and can only be sent as a unit, Arm and Bed assembled.
*179019	-----	Arm and Bed (assembled) with 45706, 140792X, 170078, 170132, two each 140739E, 170005, 172177, four 140749C and seven 140702AL
172177	25805	Arm Dowel Pin (2)
172001	25805	Arm Oil Shield
140739E	25805	Arm Screw (back and right) (2)
140792X	25805	Arm Screw (front)
179003	25801	Arm Shaft (horizontal) with Needle Bar Crank, 1259AL and 140886AL
140558AL	25801	Arm Shaft (horizontal) Bevel Gear, Feed Cam and Feed Lifting Eccentric Set Screw
	NOTE:	Pairs of Gears or Individual Gears are not furnished to U.S.A. and Canadian Agencies. Machine must be returned to the factory for gear replacements.
170005	25801	Arm Shaft (horizontal) Bushing (back)
170005	25801	Arm Shaft (horizontal) Bushing (front)
170006	25801	Arm Shaft (horizontal) Collar with 453AL 453AL
172005	25801	Arm Shaft (horizontal) Collar Set Screw ..
140559C	25801	Arm Shaft (horizontal) Counterbalance
		Screw
172006	25801	Arm Shaft (upright)
1259AL	25801	Arm Shaft (upright) Bevel Gear (lower) Set Screw
	NOTE:	Pairs of Gears or Individual Gears are not furnished to U.S.A. and Canadian Agencies. Machine must be returned to the factory for gear replacements.
1259AL	25801	Arm Shaft (upright) Bevel Gear (upper) Set Screw
	NOTE:	Pairs of Gears or Individual Gears are not furnished to U.S.A. and Canadian Agencies. Machine must be returned to the factory for gear replacements.
45706	25801	Arm Shaft (upright) Bushing (lower)
170132	25801	Arm Shaft (upright) Bushing (upper)
179004	25802	Arm Top Cover

PARTS FOR MACHINE No. 404-5

No.	Plate	Name
179005	25802	Arm Top Cover complete, Nos. 172011, 179004 two 189ZJ and four 170168
141ZB	25802	Arm Top Cover Screw (2)
172011	25802	Arm Top Cover Thread Guide
189ZJ	25802	Arm Top Cover Thread Guide Screw (2)
*179020	-----	Bed
	NOTE:	Due to the accuracy required for gear alignment, Bed cannot be supplied separately and can only be sent as a unit, Arm and Bed assembled.
172203	25803	Bed Cushion (4)
140809E	25803	Bed Cushion Screw (4)
172015	25812	Bed Slide
172016	25812	Bed Slide Spring
140828ALJ	25812	Bed Slide Spring Screw
51738ZB	25808	Clamp Stop Motion Clamp Nut
140881ZA	25808	Clamp Stop Motion Clamp Stop Screw
170169	25808	Clamp Stop Motion Clamp Washer
170030	25805	Face Plate Catch
219J	25805	Face Plate Catch Screw
170032	25805	Face Plate Hinge Pin (2)
179006	25805	Face Plate with Threading Diagram complete, Nos. 219J, 170030 and two 170032
172026	25806	Feed Bar
170037	25806	Feed Bar Connecting Link
999C	25806	Feed Bar Connecting Link Hinge Screw
45723	25806	Feed Bar Connecting Link Hinge Stud
315C	25806	Feed Bar Screw Center (2)
15445	-----	Feed Bar Screw Center 315C with 1519R (2)
1519R	25806	Feed Bar Screw Center Nut (2)
179016	25812	Feed Dog, 13 teeth (16 teeth to the inch) ..
197X	25812	Feed Dog Screw (2)
170045	25807	Feed Forked Connection with 170119
140812C	25807	Feed Forked Connection Hinge Screw (eccentric)
1520R	25807	Feed Forked Connection Hinge Screw Nut
170046	25807	Feed Forked Connection Slide Block
170119	-----	Feed Forked Connection Slide Block 170046 with 1085E
1085E	25807	Feed Forked Connection Slide Block Screw Stud
172028	25806	Feed Lifting Rock Shaft
140749C	25806	Feed Lifting Rock Shaft Center (2)
140702AL	25806	Feed Lifting Rock Shaft Center Set Screw (2)
172029	25806	Feed Lifting Rock Shaft Center Set Screw Insert (brass) (2)

PARTS FOR MACHINE No. 404-5

No.	Plate	Name
170051	25807	Feed Lifting Rock Shaft Connecting Rod with two 896AL
896AL	25807	Feed Lifting Rock Shaft Connecting Rod Cap Screw (2)
140576C	25807	Feed Lifting Rock Shaft Connecting Rod Hinge Screw (eccentric)
1520R	25807	Feed Lifting Rock Shaft Connecting Rod Hinge Screw (eccentric) Nut
172179	25807	Feed Regulator with 1120AL
172180	-----	Feed Regulator with 1120AL and 172170
140767C	25807	Feed Regulator Hinge Screw
170179	25807	Feed Regulator Hinge Screw Tension Spring
170180	-----	Feed Regulator Hinge Screw Tension Spring Seat
172170	25807	Feed Regulator Stud
1120AL	25807	Feed Regulator Stud Set Screw
172171	25807	Feed Regulator Stud Slide
172172	25807	Feed Regulator Stud Slide Actuating Thumb Nut
172173	25807	Feed Regulator Stud Slide Actuating Thumb Nut Washer
990ZB	25807	Feed Regulator Stud Slide Actuating Thumb Nut Washer Screw
170054	25806	Feed Rock Shaft
140749C	25806	Feed Rock Shaft Center (2)
140702AL	25806	Feed Rock Shaft Center Set Screw (2)
172029	25806	Feed Rock Shaft Center Set Screw Insert (brass) (2)
170055	25805	Feed Rock Shaft Clearance Hole Cover ..
	NOTE:	When ordering No. 170055 color required must be stated.
170177	25808	Hand Wheel
	NOTE:	When ordering No. 170177 color required must be stated.
172263	25808	Hand Wheel Gear (Nylon)
170020	25808	Hand Wheel Gear Spring
170021	25808	Hand Wheel Snap Ring
172264	25808	Hand Wheel Complete, Nos. 170020, 170021, 170177 and 172263
	NOTE:	When ordering No. 172264 color required must be stated.
51045AL	-----	Machine Hinge Connection Set Screw (2)
179007	25809	Needle Bar (hollow)
179008	25809	Needle Bar Bushing
453AL	25809	Needle Bar Bushing Set Screw
187E	25809	Needle Bar Clamping Screw
172038	25809	Needle Bar Connecting Link

PARTS FOR MACHINE No. 404-5

No.	Plate	Name
179009	-----	Needle Bar Connecting Link 172038 with 179011
179010	25809	Needle Bar Connecting Stud with 187E ...
179011	-----	Needle Bar Connecting Stud 179010 with 125044
125044	25809	Needle Bar Connecting Stud Oil Wick
140886AL	25801	Needle Bar Crank Position Screw
172223	25809	Needle Clamp Body
172224	-----	Needle Clamp 172223 with 140751ZC
189ZJ	25809	Needle Clamp, Needle Clamp Thread Guide and Needle Stop Screw
172225	25809	Needle Clamp Thread Guide
172066	25809	Needle Stop Screw Thread Protector
140751ZC	25809	Needle Thumb Screw
170168	25802	Oil Metering Insert (4)
170140	-----	Pair of Gears (lower shaft) consisting of Arm Shaft (upright) Bevel Gear (lower) and Rotating Hook Shaft Bevel Gear (back)
		NOTE: No. 170140 is not furnished to U.S.A. and Canadian Agencies. The machine must be returned to the factory for gear replacements.
172097	-----	Pair of Gears (lower shaft, Rotating Hook end) consisting of Rotating Hook Drive Shaft Bevel Gear (front) and Rotating Hook Bevel Gear
		NOTE: No. 172097 is not furnished to U.S.A. and Canadian Agencies. The machine must be returned to the factory for gear replacements.
170141	-----	Pair of Gears (upper shaft) consisting of Arm Shaft (horizontal) Bevel Gear, Feed Cam and Feed Lifting Eccentric and Arm Shaft (upright) Bevel Gear (upper)
		NOTE: No. 170141 is not furnished to U.S.A. and Canadian Agencies. The machine must be returned to the factory for gear replacements.
172068	25811	Presser Bar (hollow)
172069	25811	Presser Bar Bushing
453AL	25811	Presser Bar Bushing Set Screw
179033	25811	Presser Bar Guide Bracket with 453AL
453AL	25811	Presser Bar Guide Bracket Set Screw
172070	25811	Presser Bar Lifter
85E	25811	Presser Bar Lifter Hinge Screw
170067	25811	Presser Bar Spring
170068	-----	Presser Bar Spring 170067 with 170183
170071	25812	Presser Foot (hinged) complete
140240ZB	25812	Presser Foot Thumb Screw
140586ZB	25812	Pressure Regulating Thumb Screw
170183	25811	Pressure Regulating Thumb Screw Extension Plate

PARTS FOR MACHINE No. 404-5

No.	Plate	Name
172080	25813	Rotating Hook
172081	-----	Rotating Hook 172080 with 172083
172222	25813	Rotating Hook Bobbin
172082	25813	Rotating Hook Bobbin Case
172083	25813	Rotating Hook Bobbin Case 172082 with 1172F, 1173E and 172202
172084	25813	Rotating Hook Bobbin Case Cushion Spring
172085	25813	Rotating Hook Bobbin Case Cushion Spring Bracket
172086	-----	Rotating Hook Bobbin Case Cushion Spring Bracket 172085 with 172084 and two 662AL
172087	25813	Rotating Hook Bobbin Case Cushion Spring Bracket Adjusting Stud (eccentric)
50311AL	25813	Rotating Hook Bobbin Case Cushion Spring Bracket Adjusting Stud (eccentric) Set Screw
662AL	25813	Rotating Hook Bobbin Case Cushion Spring Screw (2)
172207	25813	Rotating Hook Bobbin Case Position Finger
453AL	25813	Rotating Hook Bobbin Case Position Finger Set Screw
1172F	25813	Rotating Hook Bobbin Case Tension Regulating Screw
172202	25813	Rotating Hook Bobbin Case Tension Spring
1173E	25813	Rotating Hook Bobbin Case Tension Spring Screw
172089	25813	Rotating Hook and Position Finger Bracket
140702AL	25813	Rotating Hook and Position Finger Bracket Set Screw (2)
172090	-----	Rotating Hook and Position Finger Bracket 172089 with 50311AL, 172096 and two each 453AL and 140702AL
172091	-----	Rotating Hook and Position Finger Bracket 172090 with 231X, 172081, 172086, 172087, 172092 and 172207
172092	25813	Rotating Hook and Position Finger Bracket Spring
231X	25813	Rotating Hook and Position Finger Bracket Spring Screw
172093	25801	Rotating Hook Drive Shaft
1259AL	25801	Rotating Hook Drive Shaft Bevel Gear (back) Set Screw (2)
		NOTE: Pairs of Gears or Individual Gears are not furnished to U.S.A. and Canadian Agencies. Machine must be returned to factory for gear replacements.

PARTS FOR MACHINE No. 404-5

No.	Plate	Name
1259AL	25801	Rotating Hook Drive Shaft Bevel Gear (front) Set Screw.....
		NOTE: Pairs of Gears or Individual Gears are not furnished to U.S.A. and Canadian Agencies. Machine must be returned to the factory for gear replacements.
170078	25801	Rotating Hook Drive Shaft Bushing (back)
140702AL	25801	Rotating Hook Drive Shaft Bushing (back) Set Screw
172094	25801	Rotating Hook Drive Shaft Bushing (front)
140702AL	25801	Rotating Hook Drive Shaft Bushing (front) Set Screw (2)
172095	25801	Rotating Hook Drive Shaft Collar with 209AL
209AL	25801	Rotating Hook Drive Shaft Collar Set Screw
1259AL	25813	Rotating Hook Bevel Gear Set Screw
		NOTE: Pairs of Gears or Individual Gears are not furnished to U.S.A. and Canadian Agencies. Machine must be returned to the factory for gear replacements.
172096	25813	Rotating Hook Flanged Bushing
453AL	25813	Rotating Hook Flanged Bushing Set Screw
45345	25814	Slack Thread Regulator and Tension Thread Guide.....
329ZB	25814	Slack Thread Regulator and Tension Thread Guide and Thread Guide (upper) Screw
179012	25807	Stitch Indicator Plate with Machine Class Number and Trade Mark
140082TM	25807	Stitch Indicator Plate Screw (2)
172226	25814	Tension Disc (3)
125415	25814	Tension Indicator.....
		NOTE: When ordering No. 125415 color required must be stated.
125416	25814	Tension Indicator Flange.....
		NOTE: When ordering No. 125416 color required must be stated.
172214	25814	Tension Indicator Flange 125416 with 172215, 172216 and 172217
172215	25814	Tension Indicator Flange Adaptor
172216	25814	Tension Indicator Flange Adaptor Thumb Nut with 906ALZJ
172217	25814	Tension Indicator Flange Adaptor Thumb Nut Cap
906ALZJ	25814	Tension Indicator Flange Adaptor Thumb Nut Cap Set Screw.....
172218	25814	Tension Indicator Flange Stop Washer
172139	25814	Tension Releasing Lever.....

PARTS FOR MACHINE No. 404-5

No.	Plate	Name
140563C	25814	Tension Releasing Lever Hinge Screw
12329	25814	Tension Releasing Lever Spring.....
172140	25814	Tension Releasing Pin.....
125314	25814	Tension Spring
140178ZJ	25814	Tension Stud
172221	-----	Tension Stud 140178ZJ and 172214
140756AL	25814	Tension Stud Set Screw.....
172227	25814	Tension (graduated) adjustable complete, Nos. 66774, 125314, 125415, 172140, 172218, 172221, 172228 and three 172226
		NOTE: When ordering No. 172227 color required for 125415 must be stated.
172143	25814	Thread Guide (upper)
179013	25809	Thread Guide (lower)
172145	25809	Thread Take-up Stud.....
1259AL	25809	Thread Take-up Stud Set Screw
172146	25809	Thread Take-up Lever
172147	25809	Thread Take-up Lever complete, Nos. 45824, 45825 and 172146
179014	-----	Thread Take-up Lever 172147 with 1130E, 172145, 173558 and 179009
45824	25809	Thread Take-up Lever Hinge Stud.....
45825	25809	Thread Take-up Lever Link
173558	25809	Thread Take-up Lever Link Hinge Stud ..
33704	-----	Thread Take-up Lever Link Hinge Stud 173558 with 1130E
1130E	25809	Thread Take-up Lever Link Hinge Stud Cap Screw
941AL	25809	Thread Take-up Lever Link Hinge Stud Set Screw
66774	25814	Thread Take-up Spring
172228	25814	Thread Take-up Spring Thread Guard
179015	25812	Throat Plate
172151	25815	Throat Plate Clamp (2)
172152	25815	Throat Plate Clamp Adjusting Screw
172153	25815	Throat Plate Clamp Pin (2)
172213	25815	Throat Plate Clamp Pin Positioning Bracket
172154	25815	Throat Plate Clamp Spring (2)
172211	25815	Throat Plate Position Bracket
172156	25815	Throat Plate Position Indicator Plate
		NOTE: When ordering No. 172156, color of Background required must be stated.
140895TM	25815	Throat Plate Position Indicator Plate Screw (2)
172157	25815	Throat Plate Position Lever
140065X	25815	Throat Plate Position Lever Screw
172158	25815	Throat Plate Position Lever Spring
172159	25815	Throat Plate Position Lever Stop Plate ..

ATTACHMENT SET COMPLETE No. 161277

No.	Plate	Name
161275	-----	Attachment Box (compartmented cardboard carton)
161174	25818	Binder (slotted for various widths of bindings) with Pin Tape Guide, for unfolded bias binding 15/16 inch wide (commercial binding No. 6) and folded bias binding 1/2 inch wide (commercial binding No. 5) 7/16 inch wide (commercial binding No. 4) 3/8 inch wide (commercial binding No. 3) 5/16 inch wide (commercial binding No. 2) and 1/4 inch wide (commercial binding No. 1)
172222	25818	Bobbin (4)
161195	25818	Hemmer (foot) flat bottom for 5/64 inch hem complete
-----	-----	Instruction Book
161276	25818	Lint Brush
-----	-----	Needles 15 x 1 No. 11 (3)
-----	-----	Needles 15 x 1 No. 14 (3)
161169	25818	Presser Foot for gathering
140728ZJ	25818	Presser Foot Adjusting Thumb Screw
161122	25818	Presser Foot Adjusting Thumb Screw Spring
161163	25818	Presser Foot Plate
161164	25818	Presser Foot Shank (adjustable)
161176	-----	Presser Foot Shank (adjustable) 161164 with 161163
161165	25818	Presser Foot Shank (stationary)
161166ZJ	25818	Presser Foot (hinged, adjustable for sewing either on right or left side of needle) for cording and slide fasteners complete, Nos. 140728ZJ, 161122, 161165 and 161176
160629	25818	Ruffler for one, six and twelve stitch ruffling
25537	25818	Screw Driver (machine)
120378	25818	Screw Driver (hook tension)
161170	25818	Seam Guide
161171	25818	Seam Guide Body
161172	25818	Seam Guide complete, Nos. 140793ZJ, 161170 and 161171
140793ZJ	25818	Seam Guide Thumb Screw
172007	25818	Spool Pin (2)
8879	25818	Spool Pin Washer (2)
161133	25818	Tube of Oil for Family Machines

ATTACHMENT SET COMPLETE No. 161277
(Continued)

No.	Plate	Name
161277	25818	Attachment Set complete, Nos. 25537, 120378, 160629, 161133, 161166, 161169, 161172, 161174, 161195, 161275, 161276, an Instruction Book, two each 8879, 172007, three each Needles 15x1 No. 11, 15x1 No. 14 and four 172222

FINGER GUARD

No.	Plate	Name
160851	25819	Finger Guard

ATTACHMENTS WHICH MAY BE
PURCHASED SEPARATELY

No.	Plate	Name
161161	-----	Darning and Embroidery Attachment Foot
140597J	-----	Darning and Embroidery Attachment Thumb Screw
161162	-----	Darning and Embroidery Attachment complete, Nos. 140597J and 161161
160625	25819	Edge Stitcher
161226	25819	Tucker complete
For component parts of the following attachments, refer to Form 19385 (Rev. 1057), Lists of Parts for Singer Fashion Aids.		
161103	-----	Style-O-Matic Zigzagger Attachment
160743	-----	Buttonhole Attachment complete
160753	25819	Hemmer Foot for Chiffon and silk
121632	25819	Needle Threader (Universal) complete
121634	25819	Needle Threader and Seam Ripper complete

BOBBIN WINDER PARTS

No.	Plate	Name
172165	25804	Frame with Pulley, Spindle and 15287
		NOTE: When ordering No. 172165 color required must be stated.
50464X	25804	Frame Hinge Screw
170107	25804	Frame Spring
170101	25804	Frame Washer
15287	25804	Friction Ring (rubber)
		NOTE: When ordering No. 15287 color required must be stated.
172184	25804	Stop
228ZB	25804	Stop Screw
170161	25804	Tension Bracket
170162	25804	Tension Bracket complete, Nos. 45847, 45915, 45916, 140138ZB and 170161
205ZB	25804	Tension Bracket Screw
45915	25804	Tension Disc
140138ZB	25804	Tension Disc Screw
45916	25804	Tension Disc Screw Washer
45847	25804	Tension Disc Spring

DRIP PAN
For Machine No. 404-5

No.	Plate	Name
179034	25823	Drip Pan with four 1/2 inch No. 14 Wire Nails

KNEE LIFTER
For Machine No. 404-5

No.	Plate	Name
179021	25816	Bell Crank
179022	25816	Bell Crank 179021 with 5599 and 179023
5599	25816	Bell Crank Bracket
159E	25816	Bell Crank Bracket Screw (2)
179023	25816	Bell Crank Hinge Pin
5735	25816	Bell Crank Spring
179024	-----	Bell Crank complete, Nos. 5735 and 179022
179025	25816	Lifting Lever
179026	25816	Lifting Lever Connecting Rod
12416J	25816	Lifting Lever Connecting Rod Joint
140880J	25816	Lifting Lever Connecting Rod Joint Hinge Screw

KNEE LIFTER
(Continued)

No.	Plate	Name
1520J	25816	Lifting Lever Connecting Rod Joint Hinge Screw Nut
1521J	25816	Lifting Lever Connecting Rod Lock Nut
140878K	25816	Lifting Lever Hinge Screw
179027	25816	Lifting Lever Link
2763TM	25817	Rock Shaft
7539	25817	Rock Shaft Hanger with two wood screws 1 in. No. 10 (2)
179028	25817	Rock Shaft Knee Arm
1509E	25817	Rock Shaft Knee Arm Clamping Nut
2766	25817	Rock Shaft Knee Arm Hub with 356C
356C	25817	Rock Shaft Knee Arm Hub Set Screw
179029	-----	Rock Shaft Knee Arm complete, Nos. 1509E, 2766, 2767 and 179028
2767	25817	Rock Shaft Knee Plate with 356C
356C	25817	Rock Shaft Knee Plate Set Screw
6337	25817	Rock Shaft Lifting Bracket with two 356C
179030	25817	Rock Shaft Lifting Bracket Hook
356C	25817	Rock Shaft Lifting Bracket Hook Set Screw
356C	25817	Rock Shaft Lifting Bracket Set Screw
2770	25817	Rock Shaft Stop Dog with 356C (2)
356C	25817	Rock Shaft Stop Dog Set Screw (2)
179031	25817	Rock Shaft complete, Nos. 2763TM, 6337, 179029, 179030 and two each 2770 and 7539
179032	-----	Knee Lifter complete, Nos. 1520J, 1521J, 12416J, 140878K, 140880J, 179024, 179025, 179026, 179027, 179031 and two 159E

LIGHT No. 196221

No.	Plate	Name
196238	25821	Body (lower half)
196227	25821	Body (upper half)
196237	25821	Body Clamp
180E	25821	Body Clamp Screw
195130	25821	Body Snap Ring
194120	25821	Lamp (specify voltage when ordering)
174523	25821	Lamp Shade with Name Plate and two 140580L

NOTE: When ordering No. 174523 color required must be stated.

LIGHT No. 196221 (Continued)

No.	Plate	Name
174524	25821	Lamp Shade complete, Nos. 228E, 170126, 172276 and 174523
NOTE: When ordering No. 174524 color required must be stated.		
140758TM	25821	Lamp Shade Screw (2)
172276	25821	Lens (blue glass)
170126	25821	Lens Clamp
228E	25821	Lens Clamp Screw
965105	25821	Lead Connector (2)
964270	25821	Lead Grommet
196262	25821	Lead with Terminal Clips and Spring Contacts complete
140580L	-----	Name Plate Drive Screw (2)
196221	25821	Light complete (less lamp) Nos. 195130, 196227, 196237, 196238 and 196262

CHART FOR PA MOTORS

Motor Catalog No.	Volts	Cycles
PA9-3	32	D.C. only
PA9-5	50	25 to 75 and D.C.
PA9-6	95-100	25 to 75 and D.C.
PA9-7	100-110	25 to 75 and D.C.
PA9-8	110-120	25 to 75 and D.C.
PA9-14	120-130	25 to 75 and D.C.
PA9-15	130-145	25 to 75 and D.C.

MOTOR PARTS

No.	Plate	Name
197705	25822	Armature with Fan complete for Motors Nos. PA9-3, PA9-5, PA9-6, PA9-7, PA9-8, PA9-14 and PA9-15
NOTE: When ordering No. 197705 state Motor for which required.		
195540	25822	Armature Shaft Bearing (commutator end)
195541	25822	Armature Shaft Bearing (commutator end) Retainer
196630	25822	Armature Shaft Bearing (pinion end)
829736	25822	Armature Shaft Bearing (pinion end) Retainer
51789	25822	Armature Shaft Nut
197782	25822	Armature Shaft Pinion with 460AL
460AL	25822	Armature Shaft Pinion Set Screw
192457	25822	Brush (carbon) (2)
197695	25822	Brush Cover (2)
140433X	25822	Brush Cover Screw (2)
197409	25822	Brush Holder (2)
195874	25822	Brush Lead Terminal (2)
196961	25822	Brush Spring (2)
714280	25822	End Cover (commutator end)
NOTE: When ordering No. 714280 state the Motor for which required.		
195545	25822	End Cover Insert (brass) (2)
197696	25822	Field Coil Insulator
197706	25822	Field Core and Coils complete for Motors Nos. PA9-3, PA9-5, PA9-6, PA9-7, PA9-8, PA9-14 and PA9-15
NOTE: When ordering No. 197706 state Motor for which required.		
195544	25822	Field Core Wedge
172160	25805	Motor Hold Down Plate
140445X	25805	Motor Hold Down Plate Screw
197702	25822	Motor Housing (pinion end)
140419X	25822	Motor Housing Screw (2)
703566	25822	Motor Housing Terminal Post (2)
196236	25822	Motor Housing Terminal Post Insulation ..

FOOT CONTROLLERS (Bakelite)
(New Style)
Machine No. 404-1

No.	Plate	Name
197638	-----	Controller complete for 32 to 55 volts A.C. or D.C. Motor, Nos. 194321, 194573, 196917, 197628 and four each 140099X and 194407
197629	25827	Controller complete for 95 to 145 volts A.C. or D.C. Motor, Nos. 194321, 194573, 196918, 197628 and four each 140099X and 194407
197637	-----	Controller complete for 150 to 250 volts A.C. or D.C. Motor, Nos. 194321, 194573, 196919, 197628 and four each 140099X and 194407
196930	25827	Controller Base
196917	-----	Controller Base 196930 with 196939 and two each 23258, 140103X and 931090
196918	25827	Controller Base 196930 with 196940 and two each 23258, 140103X and 931090
196919	-----	Controller Base 196930 with 196941 and two each 23258, 140103X and 931090
194407	25827	Controller Base Cushion (rubber) (4)
140099X	25827	Controller Base Screw (4)
194573	25827	Controller Cover
194321	25827	Controller Foot Pedal
197628	25827	Controller Lead complete, 60 in. long with Insulating Sleeves, Strain Relief, Terminals and Plug
196953	-----	Controller Resistance Unit for 32 to 55 volts, A.C. or D.C.
196954	25827	Controller Resistance Unit for 95 to 145 volts, A.C. or D.C.
196955	-----	Controller Resistance Unit for 150 to 250 volts, A.C. or D.C.
196935	25827	Controller Resistance Unit Linkage
196937	25827	Controller Resistance Unit Linkage Cross Slide
1783X	25827	Controller Resistance Unit Linkage Cross Slide Lock Nut
196939	-----	Controller Resistance Unit with Linkage, Nos. 1783X, 196935, 196937, 196953, and two each 50587J, 51327J and 193384, for 32 to 55 volts A.C. or D.C.
196940	-----	Controller Resistance Unit with Linkage, Nos. 1783X, 196935, 196937, 196954 and two each 50587J, 51327J and 193384, for 95 to 145 volts A.C. or D.C.

FOOT CONTROLLERS (Bakelite)
(New Style)
Machine No. 404-1
(Continued)

No.	Plate	Name
196941	-----	Controller Resistance Unit with Linkage, Nos. 1783X, 196935, 196937, 196955 and two each 50587J, 51327J and 193384, for 150 to 250 volts A.C. or D.C.
140103X	25827	Controller Resistance Unit Screw (2)
931090	25827	Controller Resistance Unit Screw Washer (asbestos) (2)
23258	25827	Controller Resistance Unit Screw Washer (steel) (2)
193384	25827	Controller Resistance Unit Short Circuiting Contact (2)
51327J	25827	Controller Resistance Unit Short Circuiting Contact Screw (2)
50587J	25827	Controller Resistance Unit Terminal Screw (2)

CONTROLLERS
Machine No. 404-4

Refer to page No.35 which lists "Electrical Equipment for use with School Sewing and Cutting Sets Nos. 417, 418 and 419"

TREADLE CONTROLLERS (Bakelite)
For use with Stand No. 46913, for Set No. 152,
Machine No. 404-5

No.	Plate	Name
197842	-----	Controller complete, for 32 to 55 volts, A.C. or D.C. Motor, Nos. 194454, 194491, 197848 and two 140102R
197841	25826	Controller complete, for 95 to 145 volts, A.C. or D.C. Motor, Nos. 194454, 194492, 197848 and two 140102R
197843	-----	Controller complete, for 150 to 250 volts, A.C. or D.C. Motor, Nos. 194454, 194493, 197848 and two 140102R
194322	25826	Controller Base

TREADLE CONTROLLERS (Bakelite)
For use with Stand No. 46913, for Set No. 152,
Machine No. 404-5
(Continued)

No.	Plate	Name
194491	-----	Controller Base 194322 with 23258, 192211, 193384, 193908, 194422, 194479, 194774, 194775 and two each 50587J, 51327J, 140100R, 140103X, 194421, 194514 and 931090
194492	25826	Controller Base 194322 with 23258, 192140, 193384, 193908, 194422, 194479, 194774, 194775 and two each 50587J, 51327J, 140100R, 140103X, 194421, 194514 and 931090
194493	-----	Controller Base 194322 with 23258, 192141, 193384, 193908, 194422, 194479, 194774, 194775 and two each 50587J, 51327J, 140100R, 140103X, 194421, 194514 and 931090
194399	25831	Controller Bracket
194468	-----	Controller Bracket 194399 with 51690R and 140348AL
140348AL	25831	Controller Bracket Screw
51690R	25831	Controller Bracket Screw Nut
194454	25826	Controller Cover with Name Plate
NOTE: When ordering No. 194454 state number of Controller for which required.		
140102R	25826	Controller Cover Screw (2)
197848	25826	Controller Lead Complete
193908	25826	Controller Lead Clamp
194479	25826	Controller Lead Clamp Insulation
192211	-----	Controller Resistance Unit for 32 to 55 volts
192140	25826	Controller Resistance Unit for 95 to 145 volts
192141	-----	Controller Resistance Unit for 150 to 250 volts
194774	25826	Controller Resistance Unit Adjusting Nut
194775	25826	Controller Resistance Unit Adjusting Nut Lock Spring
194416	-----	Controller Resistance Unit Bell Crank
194324	25826	Controller Resistance Unit Bell Crank Connecting Link with Insert
140101C	25826	Controller Resistance Unit Bell Crank Connecting Link Hinge Screw
1607J	-----	Controller Resistance Unit Bell Crank Connecting Link Hinge Screw Nut
51340C	-----	Controller Resistance Unit Bell Crank Hinge Screw

TREADLE CONTROLLERS (Bakelite)
For use with Stand No. 46913, for Set No. 152,
Machine No. 404-5
(Continued)

No.	Plate	Name
1607J	-----	Controller Resistance Unit Bell Crank Hinge Screw Nut
194421	25826	Controller Resistance Unit Bell Crank Spring (2)
194402	25826	Controller Resistance Unit Bell Crank Spring Bracket
194422	-----	Controller Resistance Unit Bell Crank Spring Bracket 194402 with 51340C, 140101C, 194324, 194416, 194773 and two 1607J
140100R	-----	Controller Resistance Unit Bell Crank Spring Bracket Screw (2)
194514	-----	Controller Resistance Unit Bell Crank Spring Bracket Screw Insulating Disc (2)
140103X	25826	Controller Resistance Unit Screw (2)
931090	-----	Controller Resistance Unit Screw Washer (asbestos) (2)
23258	25826	Controller Resistance Unit Screw Washer (steel)
193384	25826	Controller Resistance Unit Short Circuiting Contact
51327J	25826	Controller Resistance Unit Short Circuiting Contact Screw
50587J	25826	Controller Resistance Unit Terminal Screw (2)
194773	25826	Controller Resistance Unit Yoke
792R	25831	Controller Screw (3)

WIRING HARNESS No. 197719
Machines Nos. 404-1 and 404-5
(110-120 Volts A.C. or D.C. Motor)

No.	Plate	Name
197719	25820	Wiring Harness complete, Nos. 197625, 197626 and 197717
197625	25820	Wiring Harness Controller Socket (female) with leads (from Machine to Controller)....
140593	25820	Wiring Harness Terminal (two-pin) Post Screw (2)
197717	25820	Wiring Harness Terminal (two-pin) with Posts and two 140593

WIRING HARNESS No. 197719
Machines Nos. 404-1 and 404-5
(100-120 Volts A.C. or D.C. Motor)
(Continued)

No.	Plate	Name
197626	25820	Wiring Harness Lead with Terminal Clips (Lead from Two-pin Terminal (male half) to Light)
145TM	25820	Two-Pin Terminal Body (male half) Screw (1)

WIRING HARNESS No. 197720
(For all Motor ratings except 110-120 Volts A.C.
or D.C. Motor)

No.	Plate	Name
197720	-----	Wiring Harness complete, Nos. 197625, 197626 and 197721
		NOTE: When ordering No. 197720, state voltage of Motor for which required.
197625	25820	Wiring Harness Controller Socket (female) with Leads (from machine to Controller) ..
140593	25820	Wiring Harness Terminal (two-pin) Post Screw (2)
197721	-----	Wiring Harness Terminal (two-pin) with Posts and two 140593
197626	25820	Wiring Harness Lead with Terminal Clips (Lead from Two-pin Terminal (male half) to Light)
145TM	25820	Two-Pin Terminal Body (male half) Screw (1)
172161	25805	Two-Pin Terminal and Feed Rock Shaft Clearance Hole Cover Plate
		NOTE: When ordering No. 172161 color required must be stated.
219J	25805	Two-Pin Terminal and Feed Rock Shaft Clearance Hole Cover Plate Screw (3)
51327J	25805	Two-Pin Terminal Body Screw (2)

LINE LEAD
(From wall socket to machine)
For Machines Nos. 404-1 and 404-5

No.	Plate	Name
197874	25825	Two-Pin Terminal (female half) with Lead complete
		NOTE: When ordering No. 197874 color required must be stated.

ELECTRICAL EQUIPMENT
For use with School Sewing and Cutting Table Sets
Nos. 417, 418 and 419
Machine No. 404-4

No.	Plate	Name
197175	25829	Wiring Outfit complete, Nos. 196682, 885960, two 197179 and four wood screws 3/4 in. No. 8 R.H.B.
197179	25828	Controller with Six-pin socket and Line Lead complete, for 95 to 145 volts, A.C. or D.C. Motor, Nos. 194324, 196914, 197208, 197216 and two 140102X (2)
196931	25828	Controller Base (2)
196914	25828	Controller Base 196931 with 1783X, 23258, 193384, 193908, 194479, 196937, 196944, 196947 and two each 50587J, 51327J, 140103X and 931090 (2)
50559X	---	Controller Base Screw (6)
194603	-----	Controller Base Screw Washer (6)
197216	25828	Controller Cover with Name Plate (2)
140102X	25828	Controller Cover Screw (4)
197208	25828	Controller Lead with Six-pin Plug and Line Lead with Plate complete, Nos. 196687 and two 50791J
50587J	25828	Controller Lead with Six-pin Plug and Line Lead with Plate Screw (4)
193908	25828	Controller Lead Clamp (2)
194479	25828	Controller Lead Clamp Insulation (2)
196687	25828	Controller Lead Plug (2)
50791J	25828	Controller Lead Plug Screw (4)
196947	25828	Controller Resistance Unit 95 to 145 volts (2)
196937	25828	Controller Resistance Unit Linkage Cross Slide (2)
1783X	25828	Controller Resistance Unit Linkage Cross Slide Lock Nut (2)

ELECTRICAL EQUIPMENT

For use with School Sewing and Cutting Table Sets
Nos. 417, 418 and 419
Machine No. 404-4
(Continued)

No.	Plate	Name
194324	25828	Controller Resistance Unit Insulating Link Insert (2)
196944	-----	Controller Resistance Unit Lever Bracket and Insulating Link (2)
196674	25830	Controller Plug Receptacle (2)
197168	25830	Controller Plug Receptacle Lead (less plug)
197170	25830	Controller Plug Receptacle Jumper Lead (black)
196677	25830	Controller Plug Receptacle Jumper Lead (brown)
196684	25830	Controller Plug Receptacle Jumper Lead (green)
196683	25830	Controller Plug Receptacle Lead 197168 with 888527
888527	25830	Controller Plug Receptacle Lead Plug with Clamp and two 50764J
885960	25829	Controller Plug Receptacle Lead Plug Adaptor
50764J	25830	Controller Plug Receptacle Lead Plug Clamp Clamping Screw (2)
50637X	25830	Controller Plug Receptacle Screw (4)
140103X	25828	Controller Resistance Unit Screw (4)
931090	-----	Controller Resistance Unit Screw Washer (asbestos) (4)
23258	25828	Controller Resistance Unit Screw Washer (steel) (2)
193384	25828	Controller Resistance Unit Short Circuiting Contact (4)
51327J	25828	Controller Resistance Unit Short Circuiting Contact Screw (4)
196942	-----	Controller Starting Pitman (2)
196673	25830	Junction Box
196682	25830	Junction Box complete, Nos. 196673, 196676, 196677, 196679, 196683, 196684, 197170, two 196674 and four 50637X
196679	25830	Junction Box Cover
196676	25830	Junction Box Strain Relief (two pieces) ..
197745	25824	Safety Switch (Mercury) Mounting Bracket (2)
197746	25824	Safety Switch (Mercury) Mounting Bracket Gasket (2)
219J	25824	Two-pin Terminal and Feed Rock Shaft Clearance Hole Cover Plate Screw (2)

ELECTRICAL EQUIPMENT

For use with School Sewing and Cutting Table Sets
Nos. 417, 418 and 419
Machine No. 404-4
(Continued)

No.	Plate	Name
197744	25824	Wiring Harness with Safety Switch (Mercury) complete, in place of 197719(2)
140839J	25824	Wiring Harness Ground Wire Screw
1628F	25824	Wiring Harness Ground Wire Screw Nut

NUMERICAL LIST OF PARTS

No.	Plate	Name
85E	25810	Presser Bar Lifter Hinge Screw
141ZB	25802	Arm Top Cover Screw
145TM	25820	Two-pin Terminal Body (male half) Screw
159E	25816	Knee Lifter Bell Crank Bracket Screw for 179032
180E	25821	Light Body Clamp Screw
187E	25809	Needle Bar Clamping Screw for 179010
189ZJ	25802	Arm Top Cover Thread Guide Screw for 179005
189ZJ	25809	Needle Clamp, Needle Clamp Thread Guide and Needle Stop Screw
197X	25812	Feed Dog Screw
205ZB	25804	Bobbin Winder Tension Bracket Screw
209AL	25801	Rotating Hook Drive Shaft Collar Set Screw for 172095
219J	25805	Face Plate Catch Screw for 179006
219J	25805	Two-pin Terminal and Feed Rock Shaft Clearance Hole Cover Plate Screw
228E	25821	Light Lens Clamp Screw for 174524
228ZB	25804	Bobbin Winder Stop Screw
231X	25813	Rotating Hook and Position Finger Bracket Spring Screw for 172091
315C	25806	Feed Bar Screw Center for 15445
329ZB	25814	Slack Thread Regulator and Tension Thread Guide and Thread Guide (upper) Screw
356C	25817	Knee Lifter Rock Shaft Knee Arm Hub Set Screw for 2766
356C	25817	Knee Lifter Rock Shaft Knee Plate Set Screw for 2767
356C	25817	Knee Lifter Rock Shaft Lifting Bracket Hook Set Screw for 6337
356C	25817	Knee Lifter Rock Shaft Lifting Bracket Set Screw for 6337
356C	25817	Knee Lifter Rock Shaft Stop Dog Set Screw for 2770
453AL	25801	Arm Shaft (horizontal) Collar Set Screw for 170006
453AL	25809	Needle Bar Bushing Set Screw
453AL	25810	Presser Bar Bushing Set Screw
453AL	25810	Presser Bar Guide Bracket Set Screw for 170065 and 179033
453AL	25813	Rotating Hook Bobbin Case Position Finger Set Screw for 172090
453AL	25813	Rotating Hook Flanged Bushing Set Screw for 172090
460AL	25822	Armature Shaft Pinion Set Screw for 197782

NUMERICAL LIST OF PARTS

No.	Plate	Name
662AL	25813	Rotating Hook Bobbin Case Cushion Spring Screw for 172086
792R	25831	Controller Screw for 404-5 Machine
896AL	25807	Feed Lifting Rock Shaft Connecting Rod Cap Screw for 170051
906ALZJ	25814	Tension Indicator Flange Adaptor Thumb Nut Cap Set Screw for 172216
941AL	25809	Thread Take-up Lever Link Hinge Stud Set Screw
990ZB	25807	Feed Regulator Stud Slide Actuating Thumb Nut Washer Screw
999C	25806	Feed Bar Connecting Link Hinge Screw ..
1085E	25807	Feed Forked Connection Slide Block Screw Stud for 170119
1120AL	25807	Feed Regulator Stud Set Screw for 172179 and 172180
1130E	25809	Thread Take-up Lever Link Hinge Stud Cap Screw for 33704 and 179014
1172F	25813	Rotating Hook Bobbin Case Tension Regulating Screw for 172083
1173E	25813	Rotating Hook Bobbin Case Tension Spring Screw for 172083
1259AL	25801	Arm Shaft (upright) Bevel Gear (lower) Set Screw
1259AL	25801	Arm Shaft (upright) Bevel Gear (upper) Set Screw
1259AL	25801	Rotating Hook Drive Shaft Bevel Gear (back) Set Screw
1259AL	25801	Rotating Hook Drive Shaft Bevel Gear (front) Set Screw
1259AL	25813	Rotating Hook Bevel Gear Set Screw
1259AL	25809	Thread Take-up Stud Set Screw for 179003
1509E	25817	Knee Lifter Rock Shaft Knee Arm Clamping Nut for 179029
1519R	25806	Feed Bar Screw Center Nut for 15445
1520R	25807	Feed Forked Connection Hinge Screw Nut
1520R	25807	Feed Lifting Rock Shaft Connecting Rod Hinge Screw (eccentric) Nut
1520J	25816	Knee Lifter Lifting Lever Connecting Rod Joint Hinge Screw Nut for 179032
1521J	25816	Knee Lifter Lifting Lever Connecting Rod Lock Nut for 179032
1607J	-----	Controller Resistance Unit Bell Crank Connecting Link Hinge Screw Nut for 194422
1607J	-----	Controller Resistance Unit Bell Crank Hinge Screw Nut for 194422

NUMERICAL LIST OF PARTS

No.	Plate	Name
1628E	25824	Wiring Harness Ground Wire Screw Nut for 404-4 Machine
1783X	25827	Controller Resistance Unit Linkage Cross Slide Lock Nut for 196914, 196939, 196940 and 196941
2763TM	25817	Knee Lifter Rock Shaft for 179031
2766	25817	Knee Lifter Rock Shaft Knee Arm Hub with 356C, for 179029
2767	25817	Knee Lifter Rock Shaft Knee Plate with 356C, for 179029
2770	25817	Knee Lifter Rock Shaft Stop Dog with 356C, for 179031
5599	25816	Knee Lifter Bell Crank Bracket for 179022
5735	25816	Knee Lifter Bell Crank Spring for 179024
6337	25817	Knee Lifter Rock Shaft Lifting Bracket with two 356C, for 179031
7539	25817	Knee Lifter Rock Shaft Hanger with two wood screws 1 in. No. 10, for 179031
8879	25803	Bed Cover Plate (bottom) Screw Thumb Nut Washer (felt) for 404-1 and 404-4 Machines
		NOTE: When ordering No. 8879 color required must be stated.
8879	25818	Spool Pin Washer for 161277 (Attachment Set)
12329	25814	Tension Releasing Lever Spring
12416J	25816	Knee Lifter Lifting Lever Connecting Rod Joint for 179032
15287	25804	Bobbin Winder Friction Ring (rubber) for 172165
		NOTE: When ordering No. 15287 color required must be stated.
15445	-----	Feed Bar Screw Center 315C with 1519R
23258	25827	Controller Resistance Unit Screw Washer (steel) for 194491, 194492, 194493, 196914, 196917, 196918 and 196919
25537	25818	Screw Driver (machine) for 161277 (Attachment Set)
33704	-----	Thread Take-up Lever Link Hinge Stud 173558 with 1130E
45345	25814	Slack Thread Regulator and Tension Thread Guide
45706	25801	Arm Shaft (upright) Bushing (lower) for 179002 and 179019
45723	25806	Feed Bar Connecting Link Hinge Stud
45824	25809	Thread Take-up Lever Hinge Stud for 172147
45825	25809	Thread Take-up Lever Link for 172147

NUMERICAL LIST OF PARTS

No.	Plate	Name
45847	25804	Bobbin Winder Tension Disc Spring for 170162
45915	25804	Bobbin Winder Tension Disc for 170162
45916	25804	Bobbin Winder Tension Disc Screw Washer for 170162
50311AL	25813	Rotating Hook Bobbin Case Cushion Spring Bracket Adjusting Stud (eccentric) Set Screw for 172090
50464X	25804	Bobbin Winder Frame Hinge Screw
50559X	-----	Controller Base Screw for 404-4 Machine
50587J	25827	Controller Resistance Unit Terminal Screw for 194491, 194492, 194493, 196939, 196940 and 196941
50587J	25828	Controller Lead with Six-pin Plug and Line Lead with Plate Screw for 196914
50637X	25830	Controller Plug Receptacle Screw for 196682
50764J	25830	Controller Plug Receptacle Lead Plug Clamp Clamping Screw for 888527
50791J	25828	Controller Lead Plug Screw for 197208
51045AL	-----	Machine Hinge Connection Set Screw
51327J	25827	Controller Resistance Unit Short Circuiting Contact Screw for 194491, 194492, 194493, 196914, 196939, 196940 and 196941
51327J	25805	Two-pin Terminal Body Screw for 404-1 and 404-5 Machines
51340C	-----	Controller Resistance Unit Bell Crank Hinge Screw for 194422
51361R	25803	Bed Cover Plate (bottom) Screw for 179002
51621R	25803	Bed Cover Plate (bottom) Screw Thumb Nut for 404-1 and 404-4 Machines
51690R	25831	Controller Bracket Screw Nut for 194468
51738ZB	25808	Clamp Stop Motion Clamp Nut
51789	25822	Armature Shaft Nut
66774	25814	Thread Take-up Spring for 172227
120378	25818	Screw Driver (hook tension) for 161277 (Attachment Set)
121632	25819	Needle Threader (Universal) complete
121634	25819	Needle Threader and Seam Ripper complete
125044	25809	Needle Bar Connecting Stud Oil Wick for 179011
125314	25814	Tension Spring for 172227
125415	25814	Tension Indicator for 172227
NOTE: When ordering No. 125415 color required must be stated.		

NUMERICAL LIST OF PARTS

No.	Plate	Name
125416	25814	Tension Indicator Flange for 172214
NOTE: When ordering No. 125416 color required must be stated.		
140065X	25815	Throat Plate Position Lever Screw
140082TM	25807	Stitch Indicator Plate Screw
140099X	25827	Controller Base Screw for 197629, 197637 and 197638
140100R	-----	Controller Resistance Unit Bell Crank Spring Bracket Screw for 194491, 194492 and 194493
140101C	25826	Controller Resistance Unit Bell Crank Connecting Link Hinge Screw for 194422
140102R	25826	Controller Cover Screw for 197841, 197842 and 197843
140102X	25828	Controller Cover Screw for 197179
140103X	25827	Controller Resistance Unit Screw for 194491, 194492, 194493, 196914, 196917, 196918 and 196919
140138ZB	25804	Bobbin Winder Tension Disc Screw for 170162
140178ZJ	25814	Tension Stud for 172221
140240ZB	25812	Presser Foot Thumb Screw
140348AL	25831	Controller Bracket Screw for 194468
140419X	25822	Motor Housing Screw
140433X	25822	Brush Cover Screw
140445X	25805	Motor Hold Down Plate Screw
140558AL	25801	Arm Shaft (horizontal) Bevel Gear, Feed Cam and Feed Lifting Eccentric Set Screw
140559C	25801	Arm Shaft (horizontal) Counterbalance Set Screw
140563C	25814	Tension Releasing Lever Hinge Screw
140576C	25807	Feed Lifting Rock Shaft Connecting Rod Hinge Screw (eccentric)
140580L	-----	Light Name Plate Drive Screw for 174523
140586ZB	25810	Pressure Regulating Thumb Screw
140593	25820	Wiring Harness Terminal (two-pin) Post Screw for 197717 and 197721
140597J	-----	Darning and Embroidery Attachment Thumb Screw for 161162
140702AL	25806	Feed Lifting Rock Shaft Center Set Screw for 179002 and 179019
140702AL	25806	Feed Rock Shaft Center Set Screw for 179002 and 179019
140702AL	25813	Rotating Hook and Position Finger Bracket Set Screw for 179002 and 179019
140702AL	25801	Rotating Hook Drive Shaft Bushing (back) Set Screw for 179002 and 179019

NUMERICAL LIST OF PARTS

No.	Plate	Name
140702AL	25801	Rotating Hook Drive Shaft Bushing (front) Set Screw for 172090
140728ZJ	25818	Presser Foot Adjusting Thumb Screw for 161166
140739E	25805	Arm Screw (back and right) for 179002 and 179019
140749C	25806	Feed Lifting Rock Shaft Center for 179002 and 179019
140749C	25806	Feed Rock Shaft Center for 179002 and 179019
140751ZC	25809	Needle Thumb Screw for 172224
140756AL	25814	Tension Stud Set Screw
140758TM	25821	Light Lamp Shade Screw
140767C	25807	Feed Regulator Hinge Screw
140792X	25805	Arm Screw (front) for 179002 and 179019
140793ZJ	25818	Seam Guide Thumb Screw for 161172
140809E	25803	Bed Cushion Screw
140812C	25807	Feed Forked Connection Hinge Screw (eccentric)
140828ALJ	25812	Bed Slide Spring Screw
140839J	25824	Wiring Harness Ground Wire Screw for 404-4 Machine
140878K	25816	Knee Lifter Lifting Lever Hinge Screw for for 179032
140880J	25816	Knee Lifter Lifting Lever Connecting Rod Joint Hinge Screw for 179032
140881ZA	25808	Clamp Stop Motion Clamp Stop Screw
140886AL	25801	Needle Bar Crank Position Screw for 179003
140895TM	25815	Throat Plate Position Indicator Plate Screw
160625	25819	Edge Stitcher
160629	25818	Ruffler for one, six and twelve stitch ruffling for 161277 (Attachment Set)
160743	-----	Buttonhole Attachment complete
160753	25819	Hemmer Foot for chiffon and silk
160851	25819	Finger Guard
161103	-----	Style-O-Matic Zigzagger Attachment
161122	25818	Presser Foot Adjusting Thumb Screw Spring for 161166
161133	25818	Tube of Oil for Family Machines for 161277 (Attachment Set)
161161	-----	Darning and Embroidery Attachment Foot for 161162
161162	-----	Darning and Embroidery Attachment complete, Nos. 140597J and 161161
161163	25818	Presser Foot Plate for 161176
161164	25818	Presser Foot Shank (adjustable) for 161176

NUMERICAL LIST OF PARTS

No.	Plate	Name
161165	25818	Presser Foot Shank (stationary) for 161166
161166ZJ	25818	Presser Foot (hinged, adjustable for sewing either on right or left side of needle) for cording and slide fasteners complete, for 161277, Nos. 140728ZJ, 161122, 161165 and 161176 (Attachment Set)
161169	25818	Presser Foot for gathering for 161277 (Attachment Set)
161170	25818	Seam Guide for 161172
161171	25818	Seam Guide Body for 161172
161172	25818	Seam Guide complete for 161277, Nos. 140793ZJ, 161170 and 161171 (Attachment Set)
161174	25818	Binder (slotted for various widths of bindings) with Pin Tape Guide, for unfolded bias binding 15/16 in. wide (commercial binding No. 6) and folded bias binding 1/2 in. wide (commercial binding No. 5) 7/16 in. wide (commercial binding No. 4) 3/8 in. wide (commercial binding No. 3) 5/16 in. wide (commercial binding No. 2) and 1/4 in. wide (commercial binding No. 1) for 161277 (Attachment Set)
161176	-----	Presser Foot Shank (adjustable) 161164 with 161163 for 161166
161195	25818	Hemmer (foot) flat bottom for 5/64 in. hem complete for 161277 (Attachment Set)
161226	25819	Tucker complete
161275	-----	Attachment Box (compartmented cardboard carton) for 161277 (Attachment Set)
161276	25818	Lint Brush for 161277 (Attachment Set) ..
161277	25818	Attachment Set complete, Nos. 25537, 120378, 160629, 161133, 161166, 161169, 161172, 161174, 161195, 161275, 161276, on Instruction Book, two each 8879, 172007, three each Needles 15x1 No. 11, 15x1 No. 14 and four 172222
170005	25801	Arm Shaft (horizontal) Bushing (back) for 179002 and 179019
170005	25801	Arm Shaft (horizontal) Bushing (front) for 179002 and 179019
170006	25801	Arm Shaft (horizontal) Collar with 453AL
170020	25808	Hand Wheel Gear Spring for 172264
170021	25808	Hand Wheel Snap Ring for 172264

NUMERICAL LIST OF PARTS

No.	Plate	Name
170030	25805	Face Plate Catch for 179006.....
170032	25805	Face Plate Hinge Pin for 179006.....
170037	25806	Feed Bar Connecting Link
170045	25807	Feed Forked Connection with 170119
170046	25807	Feed Forked Connection Slide Block for 170119.....
170051	25807	Feed Lifting Rock Shaft Connecting Rod with two 896Al
170054	25806	Feed Rock Shaft
170055	25805	Feed Rock Shaft Clearance Hole Cover ..
		NOTE: When ordering No. 170055 color required must be stated.
170065	25810	Presser Bar Guide Bracket with 453AL, for 404-1 and 404-4 Machines.....
170067	25810	Presser Bar Spring for 170068.....
170068	-----	Presser Bar Spring 170067 with 170183
170071	25812	Presser Foot (hinged) complete.....
170078	25801	Rotating Hook Drive Shaft Bushing (back) for 179002 and 179019
170101	25804	Bobbin Winder Frame Washer.....
170107	25804	Bobbin Winder Frame Spring
170119	-----	Feed Forked Connection Slide Block 170046 with 1085E for 170045
170126	25821	Light Lens Clamp for 174524
170132	25801	Arm Shaft (upright) Bushing (upper) for 179002 and 179019
170140	-----	Pair of Gears (lower shaft) consisting of Arm Shaft (upright) Bevel Gear (lower) and Rotating Hook Shaft Bevel Gear (back)
		NOTE: No. 170140 is not furnished to U.S.A. and Canadian Agencies. The machine must be returned to the factory for gear replacements.
170141	-----	Pair of Gears (upper shaft) consisting of Arm Shaft (horizontal) Bevel Gear Feed Cam and Feed Lifting Eccentric and Arm Shaft (upright) Bevel Gear (upper)
		NOTE: No. 170141 is not furnished to U.S.A. and Canadian Agencies. The machine must be returned to the factory for gear replacements.
170161	25804	Bobbin Winder Tension Bracket for 170162.....
170162	25804	Bobbin Winder Tension Bracket complete, Nos. 45847, 45915, 45916, 140138ZB and 171061

NUMERICAL LIST OF PARTS

No.	Plate	Name
170168	25802	Oil Metering Insert for 179005
170169	25808	Clamp Stop Motion Clamp Washer
170177	25808	Hand Wheel for 172264
		NOTE: When ordering No. 170177 color required must be stated.
170179	25807	Feed Regulator Hinge Screw Tension Spring.....
170180	25807	Feed Regulator Hinge Screw Tension Spring Seat
170183	25810	Pressure Regulating Thumb Screw Extension Pin for 170068
172001	25805	Arm Oil Shield
172005	25801	Arm Shaft (horizontal) Counterbalance
172006	25801	Arm Shaft (upright)
172007	25818	Spool Pin for 161277 (Attachment Set)
172011	25802	Arm Top Cover Thread Guide for 179005
172012	25803	Bed Cover Plate (bottom) for 172013
172013	-----	Bed Cover Plate (bottom) 172012 with 172014, for 404-1 and 404-4 Machine
172014	25803	Bed Cover Plate (bottom) felt for 172013
172015	25812	Bed Slide
172016	25812	Bed Slide Spring
172026	25806	Feed Bar
172028	25806	Feed Lifting Rock Shaft
172029	25806	Feed Lifting Rock Shaft Center Set Screw Insert (brass)
172029	25806	Feed Rock Shaft Center Set Screw Insert (brass)
172038	25809	Needle Bar Connecting Link for 179009 ..
172066	25809	Needle Stop Screw Thread Protector
172068	25810	Presser Bar (hollow)
172069	25810	Presser Bar Bushing.....
172070	25810	Presser Bar Lifter
172080	25813	Rotating Hook for 172081
172081	-----	Rotating Hook 172080 with 172083 for 172091
172082	25813	Rotating Hook Bobbin Case for 172083
172083	25813	Rotating Hook Bobbin Case 172082 with 1172F, 1173E and 172202, for 172081
172084	25813	Rotating Hook Bobbin Case Cushion Spring for 172086
172085	25813	Rotating Hook Bobbin Case Cushion Spring Bracket for 172086
172086	-----	Rotating Hook Bobbin Case Cushion Spring Bracket 172095 with 172084 and two 662AL, for 172091

NUMERICAL LIST OF PARTS

No.	Plate	Name
172087	25813	Rotating Hook Bobbin Case Cushion Spring Bracket Adjusting Stud (eccentric) for 172091
172089	25813	Rotating Hook and Position Finger Bracket for 172090
172090	-----	Rotating Hook and Position Finger Bracket 172089 with 50311AL, 172096 and two each 453AL, and 140702AL, for 172091
172091	-----	Rotating Hook and Position Finger Bracket 172090 with 231X, 172081, 172086, 172087, 172092 and 172207
172092	25813	Rotating Hook and Position Finger Bracket Spring for 172091
172093	25801	Rotating Hook Drive Shaft
172094	25801	Rotating Hook Drive Shaft Bushing (front)
172095	25801	Rotating Hook Drive Shaft Collar with 209AL
172096	25813	Rotating Hook Flanged Bushing for 172090
172097	-----	Pair of Gears (lower shaft, Rotating Hook end) consisting of Rotating Hook Drive Shaft Bevel Gear (front) and Rotating Hook Bevel Gear
NOTE: No. 172097 is not furnished to U.S.A. and Canadian Agencies. The machine must be returned to the factory for gear replacements.		
172139	25814	Tension Releasing Lever
172140	25814	Tension Releasing Pin for 172227
172143	25814	Thread Guide (upper)
172145	25809	Thread Take-up Stud for 179014
172146	25809	Thread Take-up Lever for 172147
172147	25809	Thread Take-up Lever complete for 179014, Nos. 45824, 45825 and 172146
172151	25815	Throat Plate Clamp
172152	25815	Throat Plate Clamp Adjusting Screw
172153	25815	Throat Plate Clamp Pin
172154	25815	Throat Plate Clamp Spring
172156	25815	Throat Plate Position Indicator Plate
NOTE: When ordering No. 172156, color of background required must be stated.		
172157	25815	Throat Plate Position Lever
172158	25815	Throat Plate Position Lever Spring
172159	25815	Throat Plate position Lever Stop Plate ..
172160	25805	Motor Hold Down Plate
172161	25805	Two-pin Terminal Feed Rock Shaft Clearance Hole Cover Plate for 404-1 and 404-5 Machines

NUMERICAL LIST OF PARTS

No.	Plate	Name
172165	25804	Bobbin Winder Frame with Pulley Spindle and 15287
NOTE: When ordering No. 172165 color required must be stated.		
172170	25807	Feed Regulator Stud for 172180
172171	25807	Feed Regulator Stud Slide
172172	25807	Feed Regulator Stud Slide Actuating Thumb Nut
172173	25807	Feed Regulator Stud Slide Actuating Thumb Nut Washer
* 172176	-----	Bed for 404-1 and 404-4 Machine
NOTE: Due to the accuracy required for gear alignment, Bed cannot be supplied separately and can only be sent as a unit. Arm and Bed assembled.		
NOTE: When ordering No. 172176 color required must be stated.		
172177	25805	Arm Dowel Pin for 179002 and 179019
172179	25807	Feed Regulator with 1120AL
172180	-----	Feed Regulator with 1120AL and 172170
172184	25804	Bobbin Winder Stop
172202	25813	Rotating Hook Bobbin Case Tension Spring for 172083
172203	25803	Bed Cushion
172207	25813	Rotating Hook Bobbin Case Position Finger for 172091
172211	25815	Throat Plate Position Bracket
172213	25815	Throat Plate Clamp Pin Positioning Bracket
172214	25814	Tension Indicator Flange 125416 with 172215, 172216 and 172217, for 172221
172215	25814	Tension Indicator Flange Adaptor for 172214
172216	25814	Tension Indicator Flange Adaptor Thumb Nut with 906ALZJ, for 172214
172217	25814	Tension Indicator Flange Adaptor Thumb Nut Cap for 172214
172218	25814	Tension Indicator Flange Stop Washer for 172227
172221	-----	Tension Stud 140187ZJ and 172214, for 172227
172222	25813	Rotating Hook Bobbin
172222	25818	Bobbin for 161277 (Attachment Set)
172223	25809	Needle Clamp Body for 172224
172224	-----	Needle Clamp 172223 with 140751ZA
172225	25809	Needle Clamp Thread Guide
172226	25814	Tension Disc for 172227

NUMERICAL LIST OF PARTS

No.	Plate	Name
172227	25814	Tension (graduated) adjustable complete, Nos. 66774, 125314, 125415, 172140, 172218, 172221, 172228 and three 172226
	NOTE:	When ordering No. 172227, color required for No. 125415 must be stated.
172228	25814	Thread Take-up Spring Thread Guard for 172227.....
172263	25808	Hand Wheel Gear (Nylon) for 172264
172264	25808	Hand Wheel complete, Nos. 170020, 170021, 170177 and 172263
	NOTE:	When ordering No. 172264 color required must be stated.
172276	25821	Light Lens (blue gloss) for 174524
173558	25809	Thread Take-up Lever Link Hinge Stud for 33704 and 179014
174523	25821	Light Lamp Shade with Name Plate and two 140580L, for 174524
	NOTE:	When ordering No. 174523 color required must be stated.
174524	25821	Light Lamp Shade complete, Nos. 228E, 170126, 172276 and 174523
	NOTE:	When ordering No. 174524 color required must be stated.
*179001	-----	Arm for 404-1 and 404-4 Machine.....
	NOTE:	Due to the accuracy required for gear alignment, Arm cannot be supplied separately and can only be sent as a unit, Arm and Bed assembled.
*179002	-----	Arm and Bed assembled with 45706, 51361R, 140792X, 170078, 170132, two each 140739E, 170005, 172177, four 140749C and seven 140702AL for 404-1 and 404-4 Machines
179003	25801	Arm Shaft (horizontal) with Needle Bar Crank, 1259AL and 140886AL
179004	25802	Arm Top Cover for 179005
179005	25802	Arm Top Cover complete, Nos. 172011, 179004, two 189ZJ and four 170168
179006	25805	Face Plate with Threading Diagram complete, Nos. 219J, 170030 and two 170032
179007	25809	Needle Bar (hollow)
179008	25809	Needle Bar Bushing
179009	-----	Needle Bar Connecting Link 172038 with 179011, for 179014
179010	25809	Needle Bar Connecting Stud with 187E, for 179011
179011	-----	Needle Bar Connecting Stud 179010 with 125044, for 179009

NUMERICAL LIST OF PARTS

No.	Plate	Name
179012	25807	Stitch Indicator Plate with Machine Class Number and Trade Mark
179013	25809	Thread Guide (lower)
179014	-----	Thread Take-up Lever 172147 with 1130E, 172145, 173558 and 179009
179015	25812	Throat Plate
179016	25812	Feed Dog, 13 teeth (16 teeth to the inch)
*179018	-----	Arm for 404-5 Machine
	NOTE:	Due to the accuracy required for gear alignment, Arm cannot be supplied separately and can only be sent as a unit, Arm and Bed assembled.
*179019	-----	Arm and Bed (assembled) with 45706, 140792X, 170078, 170132, two each 140739E, 170005, 172177, four 140749C and seven 140702AL, for 404-5 Machine
*179020	-----	Bed for 404-5 Machine.....
	NOTE:	Due to the accuracy required for gear alignment, Bed cannot be supplied separately and can only be sent as a unit, Arm and Bed assembled.
179021	25816	Knee Lifter Bell Crank for 179022
179022	25816	Knee Lifter Bell Crank 179021 with 5599 and 179023, for 179024
179023	25816	Knee Lifter Bell Crank Hinge Pin for 179022
179024	-----	Knee Lifter Bell Crank complete for 179032 Nos. 5735 and 179022
179025	25816	Knee Lifter Lifting Lever for 179032
179026	25816	Knee Lifter Lifting Lever Connecting Rod for 179032
179027	25816	Knee Lifter Lifting Lever Link for 179032
179028	25817	Knee Lifter Rock Shaft Knee Arm for 179029
179029	-----	Knee Lifter Rock Shaft Knee Arm complete for 179031, Nos. 1509E, 2766, 2767 and 179028
179030	25817	Knee Lifter Rock Shaft Lifting Bracket Hook for 179031
179031	25817	Knee Lifter Rock Shaft complete for 179032, Nos. 2763TM, 6337, 179029, 179030 and two each 2770 and 7539
179032	-----	Knee Lifter complete, for 404-5 Machine, Nos. 1520J, 1521J, 12416J, 140878K, 140880J, 179024, 179025, 179026, 179027, 179031 and two 159E
179033	25811	Presser Bar Guide Bracket with 453AL, for 404-5 Machine

NUMERICAL LIST OF PARTS

No.	Plate	Name
179034	25823	Drip Pan with four 1/2 in. No. 14 Wire Nails for 404-5 Machine
192140	25826	Controller Resistance Unit for 95 to 145 volts, for 194492
192141	-----	Controller Resistance Unit for 150 to 250 volts, for 194493
192211	-----	Controller Resistance Unit for 32 to 55 volts, for 194491
192457	25822	Brush (carbon)
193384	25827	Controller Resistance Unit Short Circuiting Contact for 194491, 194492, 194493, 196914, 196939, 196940 and 196941
193908	25806	Controller Lead Clamp for 194491, 194492, 194493 and 196914
193908	25826	Controller Lead Clamp
194120	25821	Light Lamp (specify voltage when ordering)
194321	25827	Controller Foot Pedal for 197629, 197637 and 197638
194322	25826	Controller Base for 194491, 194492 and 194493
194324	25826	Controller Resistance Unit Bell Crank Connecting Link with Insert for 194422 and 197179
194399	25831	Controller Bracket for 194468
194402	25826	Controller Resistance Unit Bell Crank Spring Bracket for 194422
194407	25827	Controller Base Cushion (rubber) for 197629, 197637 and 197638
194416	-----	Controller Resistance Unit Bell Crank for 194422
194421	25826	Controller Resistance Unit Bell Crank Spring for 194491, 194492 and 194493
194422	-----	Controller Resistance Unit Bell Crank Spring Bracket 194402 with 51340C, 140101C, 194324, 194416, 194773 and two 1607J, for 194491 194492 and 194493
194454	25826	Controller Cover with Name Plate for 197841, 197842 and 197842
		NOTE: When ordering No. 194454 state number of Controller for which required.
194468	-----	Controller Bracket 194399 with 51690R and 140348AL, for 404-5 Machine
194479	25826	Controller Lead Clamp Insulation for 194491, 194492, 194493 and 196914
194491	-----	Controller Base 194322 with 23258, 192211, 193384, 193908, 194422, 194479, 194774, 194775, and two each 50587J, 51327J, 140100R, 140103X, 194421, 194514 and 931090, for 197842

NUMERICAL LIST OF PARTS

No.	Plate	Name
194492	25826	Controller Base 194322 with 23258, 192140, 193384, 193908, 194422, 194479, 194774, 194775 and two each 50587J, 51327J, 140100R, 140103X, 194421, 194514 and 931090, for 197841
194493	-----	Controller Base 194322 with 23258, 192141, 193384, 193908, 194422, 194479, 194774, 194775, and two each 50587J, 51327J, 140100R, 140103X, 194421, 194514 and 931090 for 197843
194514	-----	Controller Resistance Unit Bell Crank Spring Bracket Insulating Disc for 194491, 194492 and 194493
194573	25827	Controller Cover for 197629, 197637 and 197638
194603	-----	Controller Base Screw Washer for 404-4 Machine
194773	25826	Controller Resistance Unit Yoke for 194422
194774	25826	Controller Resistance Unit Adjusting Nut for 194491, 194492 and 194493
194775	25826	Controller Resistance Unit Adjusting Nut Lock Spring for 194491, 194492, and 194493
195130	25821	Light Body Snap Ring for 196221
195540	25822	Armature Shaft Bearing (commutator end)
195541	25822	Armature Shaft Bearing (commutator end) Retainer
195544	25822	Field Core Wedge
195545	25822	Edge Cover Insert (brass)
195874	25822	Brush Lead Terminal
196221	25821	Light complete (less lamp) Nos. 195130, 196227, 196237, 196238 and 196262
196227	25821	Light Body (upper half) for 196221
196236	25822	Motor Housing Terminal Post Insulation
196237	25821	Light Body Clamp For 196221
196238	25821	Light Body (lower half) for 196221
196262	25821	Light Lead with Terminal Clips and Spring Contacts complete for 196221
196630	25822	Armature Shaft Bearing (pinion end)
196673	25830	Junction Box for 196682
196674	25830	Controller Plug Receptacle for 196682
196676	25830	Junction Box Strain Relief (two-pieces) for 196682

NUMERICAL LIST OF PARTS

No.	Plate	Name
196677	25830	Controller Plug Receptacle Jumper Lead (brown) for 196682
196679	25830	Junction Box Cover for 196682
196682	25830	Junction Box complete for 197175, Nos. 196673, 196676, 196677, 196679, 196683, 196684, 197170, two 196674 and four 50637X
196683	25830	Controller Plug Receptacle Lead 197168 with 888527, for 196682
196684	25830	Controller Plug Receptable Jumper Lead (green) for 196682
196687	25828	Controller Lead Plug for 197208
196914	25828	Controller Base 196931 with 1783X, 23258, 193384, 193908, 194479, 196937, 196944, 196947 and two each 50587J, 51327J, 140103X and 931090 for 197179
196917	-----	Controller Base 196930 with 196939 and two each 23258, 140103X and 931090 for 197638
196918	25827	Controller Base 196930 with 196940 and two each 23258, 140103X and 931090, for 197629
196919	-----	Controller Base 196930 with 196941 and two each 23258, 140103X and 931090 for 197637
196930	25727	Controller Base for 196917, 196918 and 196919
196931	25828	Controller Base for 196914
196935	25827	Controller Resistance Unit Linkage for 196939, 196940 and 196941
196937	25827	Controller Resistance Unit Linkage Cross Slide for 196914, 196939, 196940 and 196941
196939	-----	Controller Resistance Unit with Linkage, for 196917, Nos. 1783X, 196935, 196937, 196953 and two each 50587J, 51327J and 193384 for 32 to 55 volts A.C. or D.C.
196940	-----	Controller Resistance Unit with Linkage, 196918, Nos. 1783X, 196935, 196937, 196954 and two each 50587J, 51327J and 193384, for 95 to 145 volts A.C. or D.C.
196941	-----	Controller Resistance Unit with Linkage for 196919, Nos. 1783X, 196935, 196937, 196955 and two each 50587J, 51327J and 193384, for 150 to 250 volts A.C. or D.C.
196942	-----	Controller Starting Pitman for 404-4 Machine
196944	-----	Controller Resistance Unit Lever Bracket and Insulating Link for 196914

NUMERICAL LIST OF PARTS

No.	Plate	Name
196947	25828	Controller Resistance Unit 95 to 145 volts, for 196914
196953	-----	Controller Resistance Unit for 32 to 55 volts, A.C. or D.C., for 196939
196954	25827	Controller Resistance Unit for 95 to 145 volts, A.C. or D.C., for 196940
196955	-----	Controller Resistance Unit for 150 to 250 volts, A.C. or D.C., for 196941
196961	25822	Brush Spring
197168	25830	Controller Plug Receptacle Lead (less plug) for 196683
197170	25830	Controller Plug Receptacle Jumper Lead (black) for 196682
197175	25829	Wiring Outfit complete for 404-4 Machine, Nos. 196682, 885960, two 197179 and four wood screws 3/4 in. No. 8 R.H.B.
197179	25828	Controller with Six-pin Socket and Line Lead complete for 95 to 145 volts, A.C. or D.C., Motor for 197175, Nos. 194324, 196914, 197208, 197216 and two 140102X
197208	25828	Controller Lead with Six-pin Plug and Line Lead with Plate complete for 197179, Nos. 196687 and two 50791J
197216	25828	Controller Cover with Name Plate for 197179
197409	25822	Brush Holder
197625	25820	Wiring Harness Controller Socket (female) with Leads (from machine to Controller) for 197719 and 197720
197626	25820	Wiring Harness Lead with Terminal Clips (lead from Two-pin Terminal (male half) to light) for 197719 and 197720
197628	25827	Controller Lead complete, 60 in. long with Insulating Sleeves, Strain Relief, Terminals and Plug for 197629, 197637 and 197638
197629	25827	Controller complete for 95 to 145 volts A.C. or D.C. Motor, for 404-1 Machine, Nos. 194321, 194573, 196918, 197628 and four each 140099X and 194407
197637	-----	Controller complete for 150 to 250 volts A.C. or D.C. Motor, for 404-1 Machine, Nos. 194321, 194573, 196919, 197628 and four each 140099X and 194407
197638	-----	Controller complete for 32 to 55 volts A.C. or D.C. Motor, for 404-1 Machine, No Nos. 194321, 194573, 196917, 197628 and four each 140099X and 194407

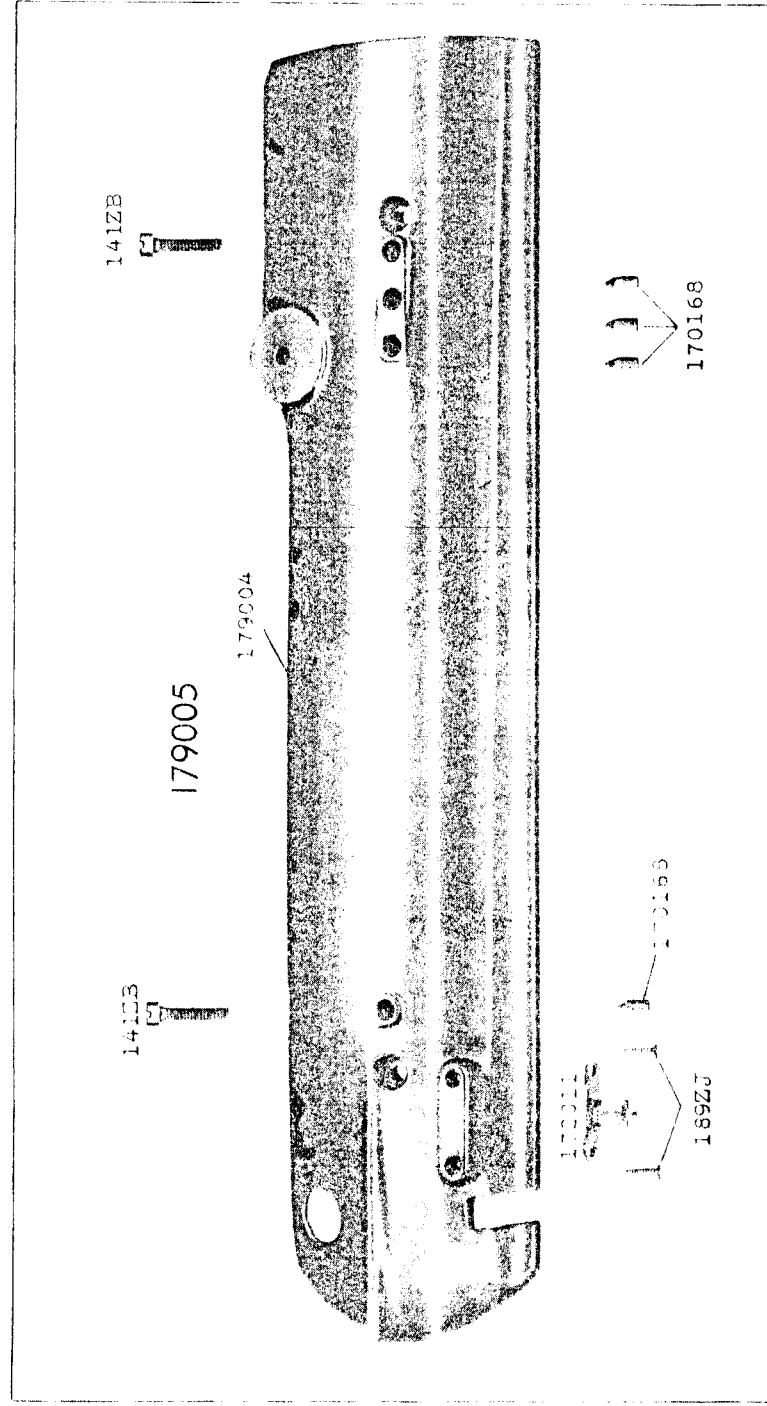
NUMERICAL LIST OF PARTS

No.	Plate	Name
197695	25822	Brush Cover
197696	25822	Field Coil Insulator
197702	25822	Motor Housing (pinion end)
197705	25822	Armature with Fan complete for Motors Nos. PA9-3, PA9-5, PA9-6, PA9-7, PA9-8, PA9-14 and PA9-15
		NOTE: When ordering No. 197705 state Motor for which required.
197706	25822	Field Core and Coils complete for Motors Nos. PA9-3, PA9-5, PA9-6, PA9-7, PA9-8, PA9-14 and PA9-15
		NOTE: When Ordering No. 197706 state Motor for which required.
197717	25820	Wiring Harness Terminal (two-pin) with Posts and two 140593, for 197719
197719	25820	Wiring Harness complete, for 110 to 120 volts, A.C. or D.C. Motors, for 404-1 and 404-5 Machines, Nos. 197625, 197626 and 197717
197720	-----	Wiring Harness complete, for all motor ratings except 110 to 120 volts, A.C. or D.C. Motors, for 404-1 and 404-5 Machines, Nos. 197625, 197626 and 197721
		NOTE: When ordering No. 197720, state voltage of Motor for which required.
197721	-----	Wiring Harness Terminal (two-pin) with Posts and two 140593, for 197720
197744	25824	Wiring Harness with Safety Switch (Mercury) complete for 404-4 Machine, in place of 197719
197745	25824	Safety Switch (Mercury) Mounting Bracket for 404-4 Machine
197746	25824	Safety Switch (Mercury) Mounting Bracket Gasket for 404-4 Machine
197782	25822	Armature Shaft Pinion with 460A1
197841	25826	Controller complete, for 95 to 145 volts, A.C. or D.C. Motor, for 404-5 Machine, Nos. 194454, 194492, 197848 and two 140102R
197842	-----	Controller complete for 32 to 55 volts, A.C. or D.C. Motor for 404-5 Machine, Nos. 194454, 194491, 197848 and two 140102R
197843	-----	Controller complete for 150 to 250 volts, A.C. or D.C. Motor for 404-5 Machine, Nos. 194454, 194493, 197848 and two 140102R
197848	25826	Controller Lead complete for 197841, 197842 and 197843

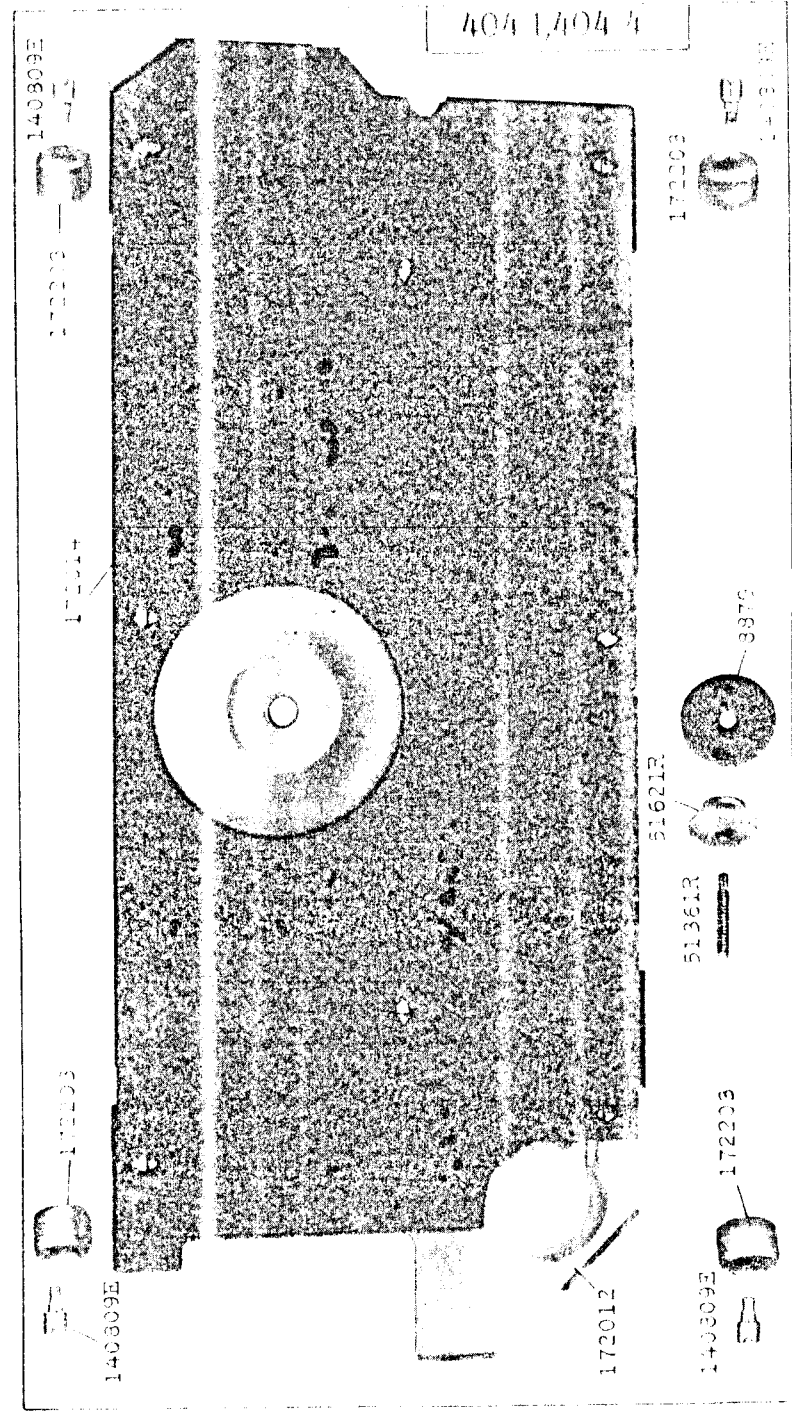
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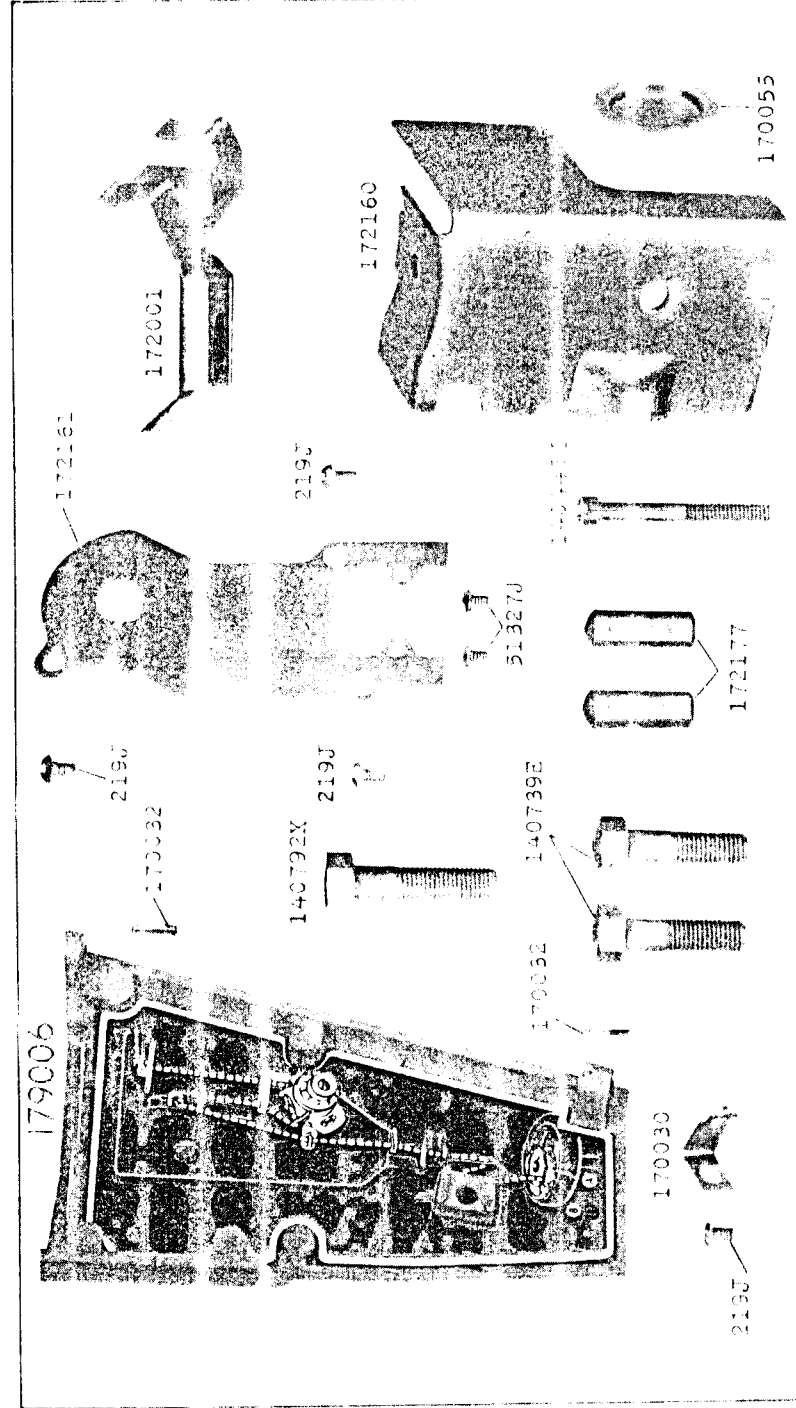
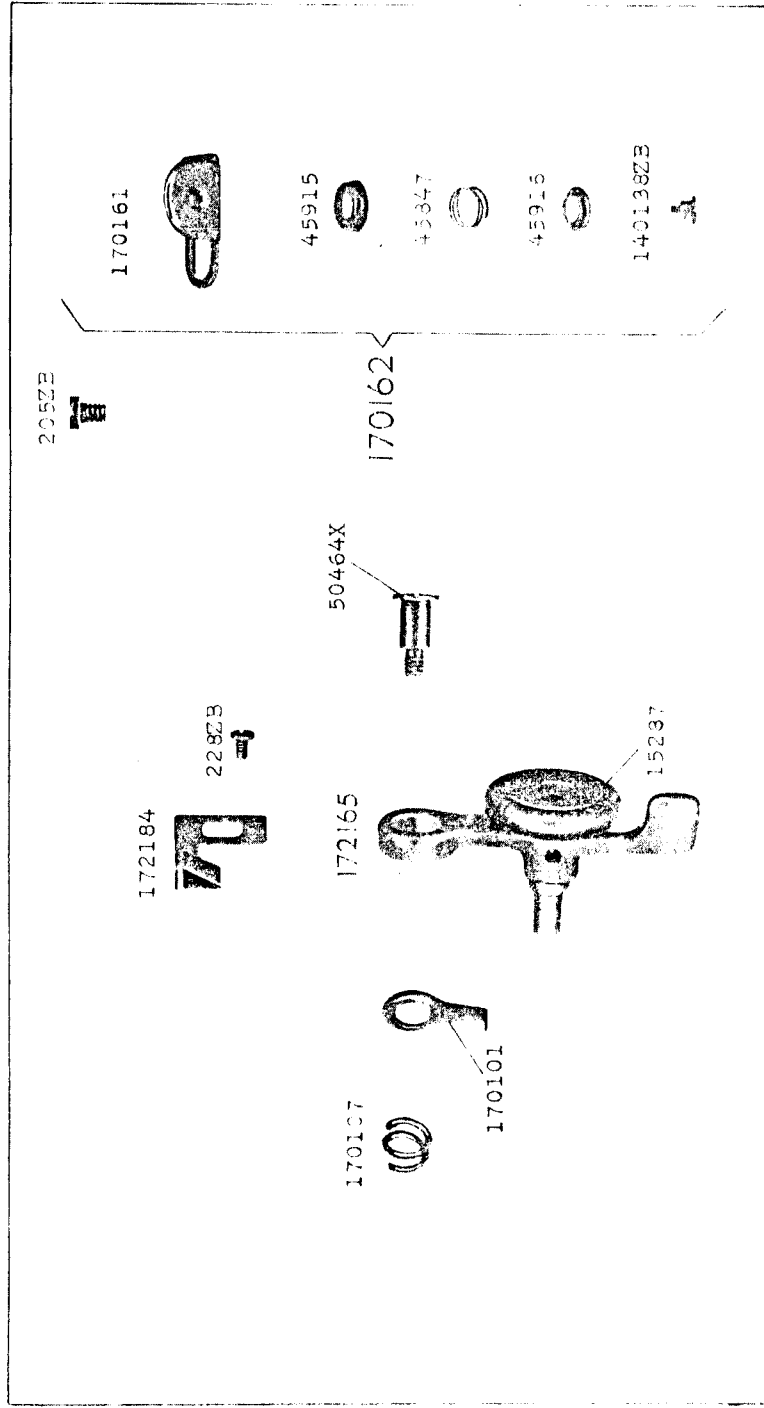
No.	Plate	Name
197874	25825	Two-pin Terminal (female half) with Lead complete (from wall socket to machine) for 404-1 and 404-5 Machines
		NOTE: When ordering No. 197874 color required must be stated.
703566	25822	Motor Housing Terminal Post
714280	25822	End Cover (commutator end)
		NOTE: When ordering No. 714280 state the Motor for which required.
829736	25822	Armature Shaft Bearing (pinion end) Retainer
885960	25829	Controller Plug Receptacle Lead Plug Adaptor for 197175
888527	25830	Controller Plug Receptacle Lead Plug with Clamp and two 50764J, for 196683 ..
931090	25827	Controller Resistance Unit Screw Washer (asbestos) for 194491, 194492, 194493, 196914, 196917, 196918 and 196919
964270	25821	Light Lead Grommet
965105	25821	Lead Connector Light

25802 1/2



25803-1/2





25808-1/2

140881ZA

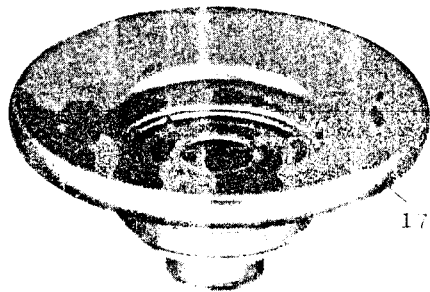


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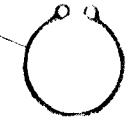
170177

170020



172263

170021



25809-2/3

173558



172147



172038

441AL

45824

172146



45825

125044

179010



187E

1130E



172145

1259AL



179007

179008



453AL



179013



172225

189%J



172066

172223



140751ZC



25810.2/3

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140586ZB

170065

453AL

172070

85E

172068

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140586ZB

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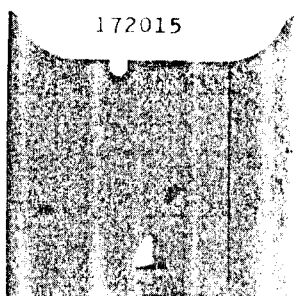
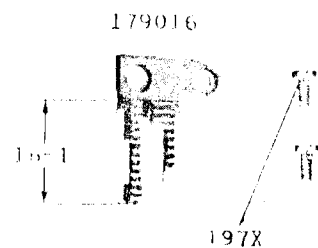
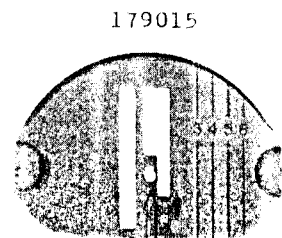
170183

170067

172069

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25812 2/3



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170071



140828ALJ



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172083

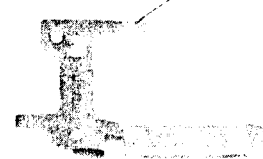
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172084



172085



17202

172082

1173E

662AL

453AL

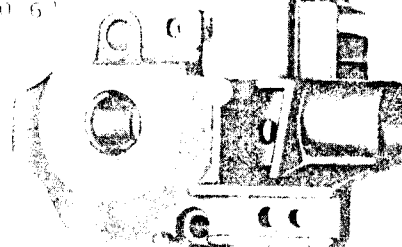
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172080

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172089



172092



1759AL

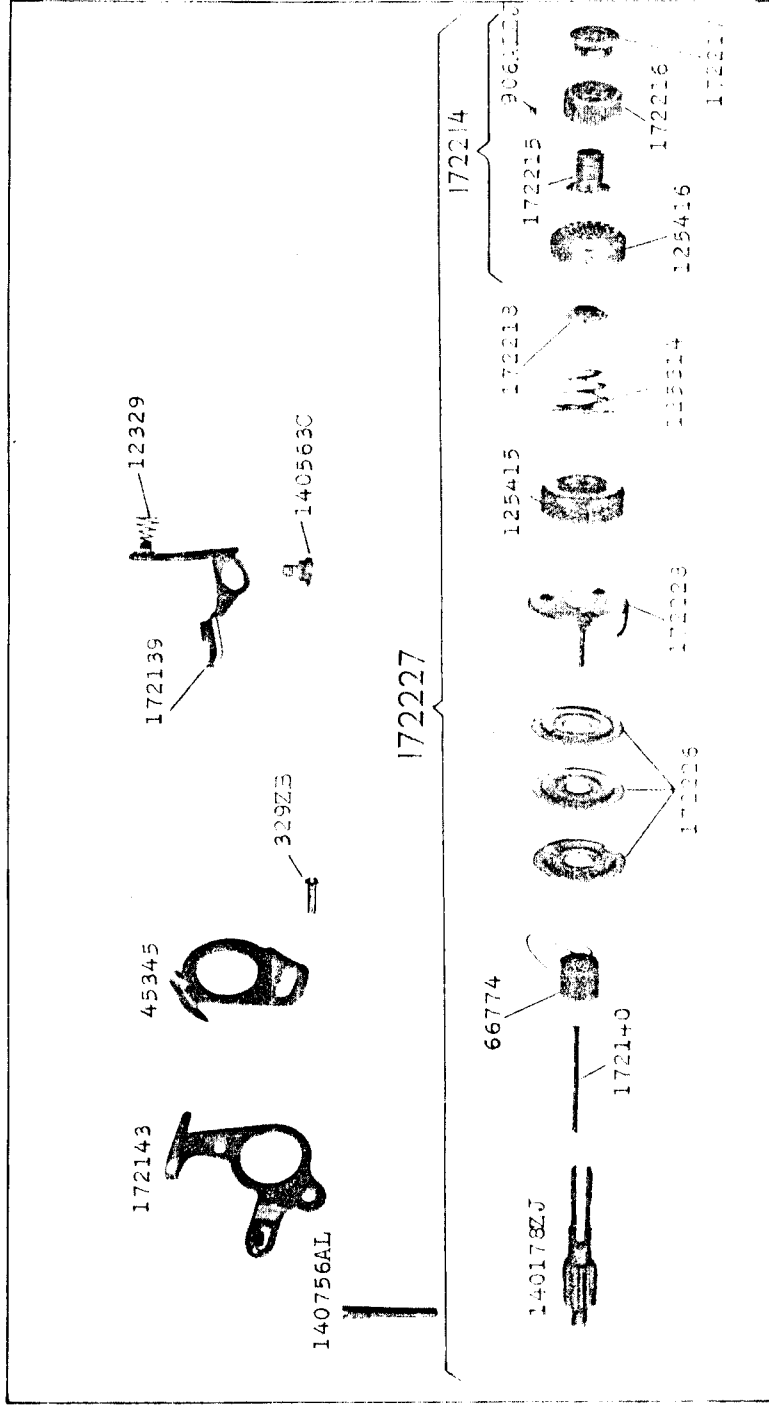
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140702AL

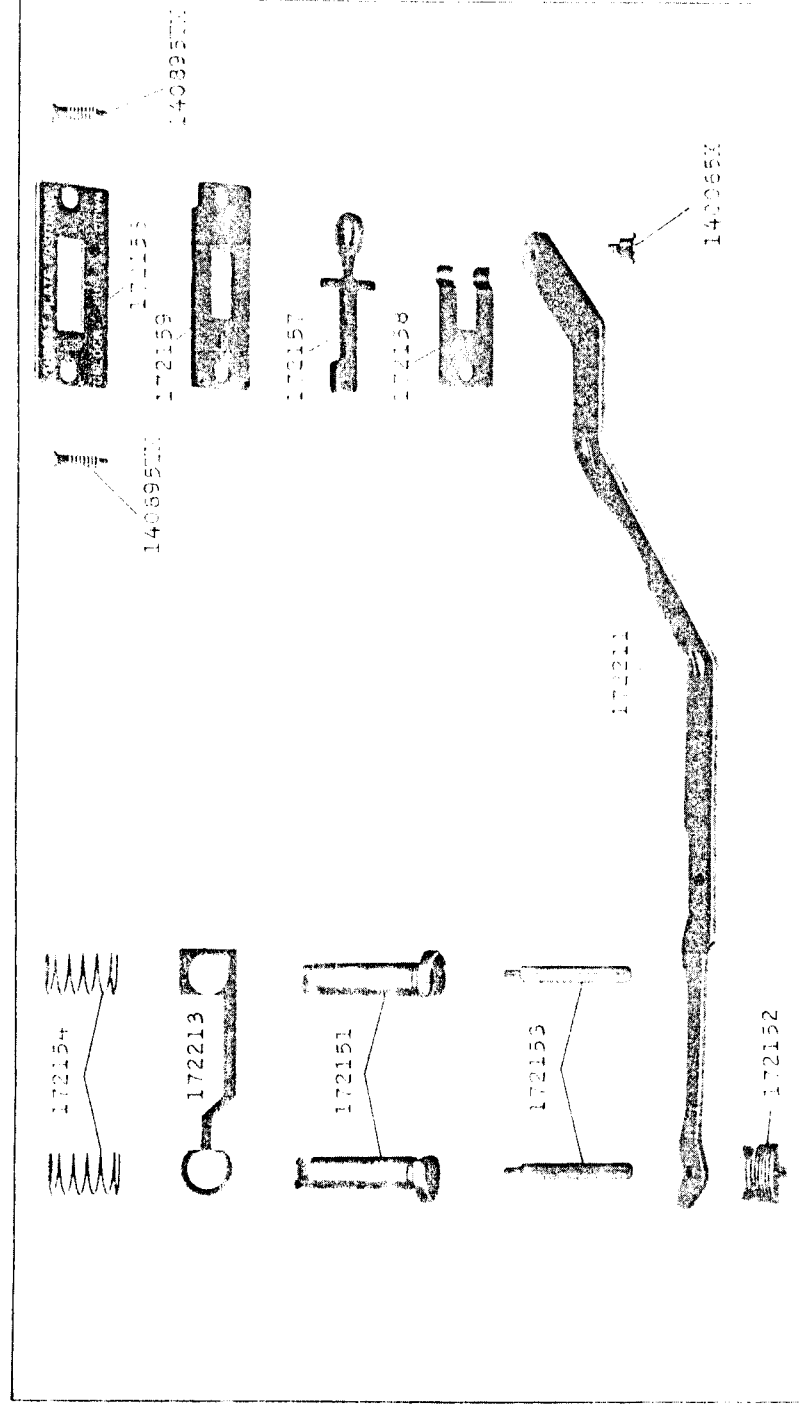
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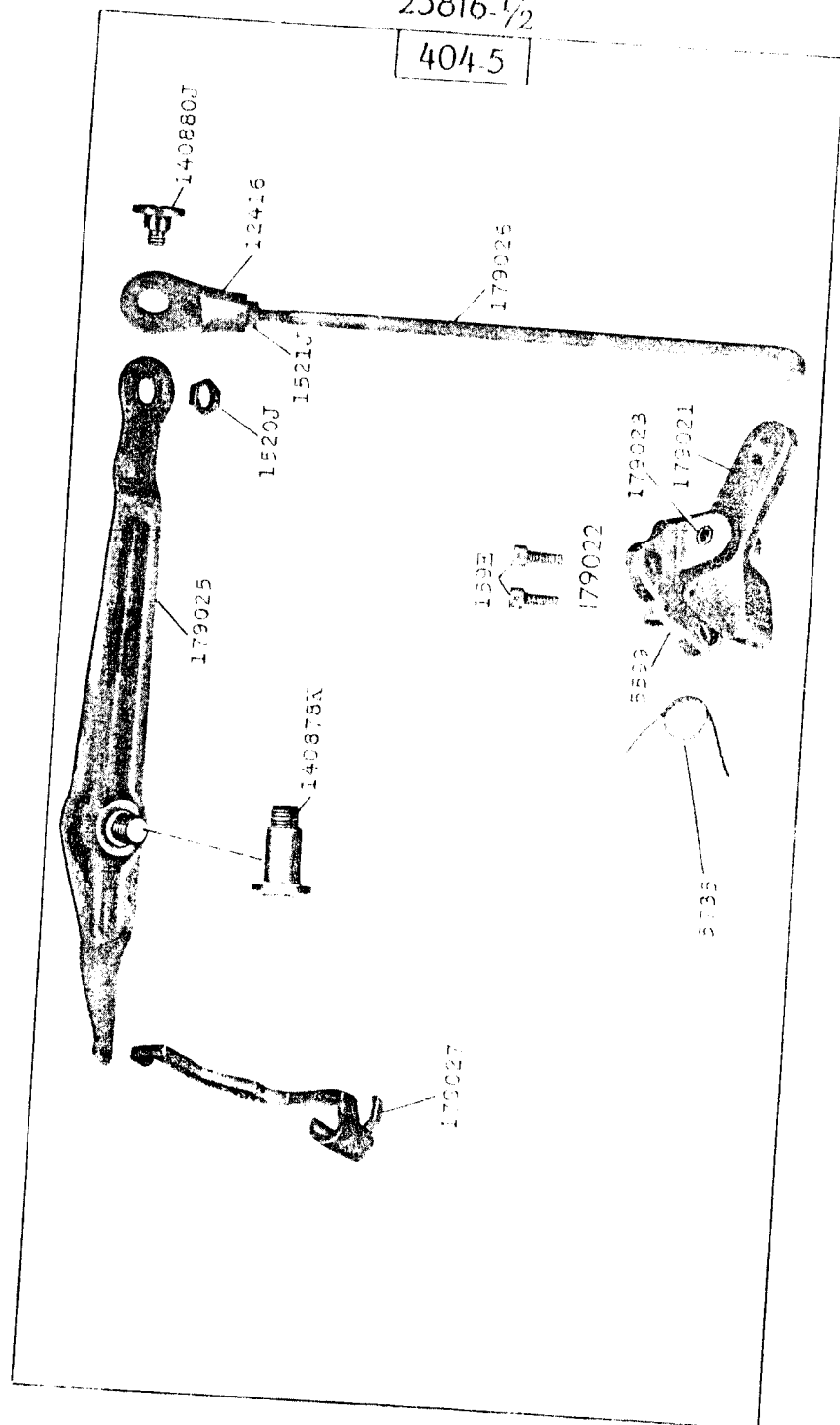


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25816-1/2

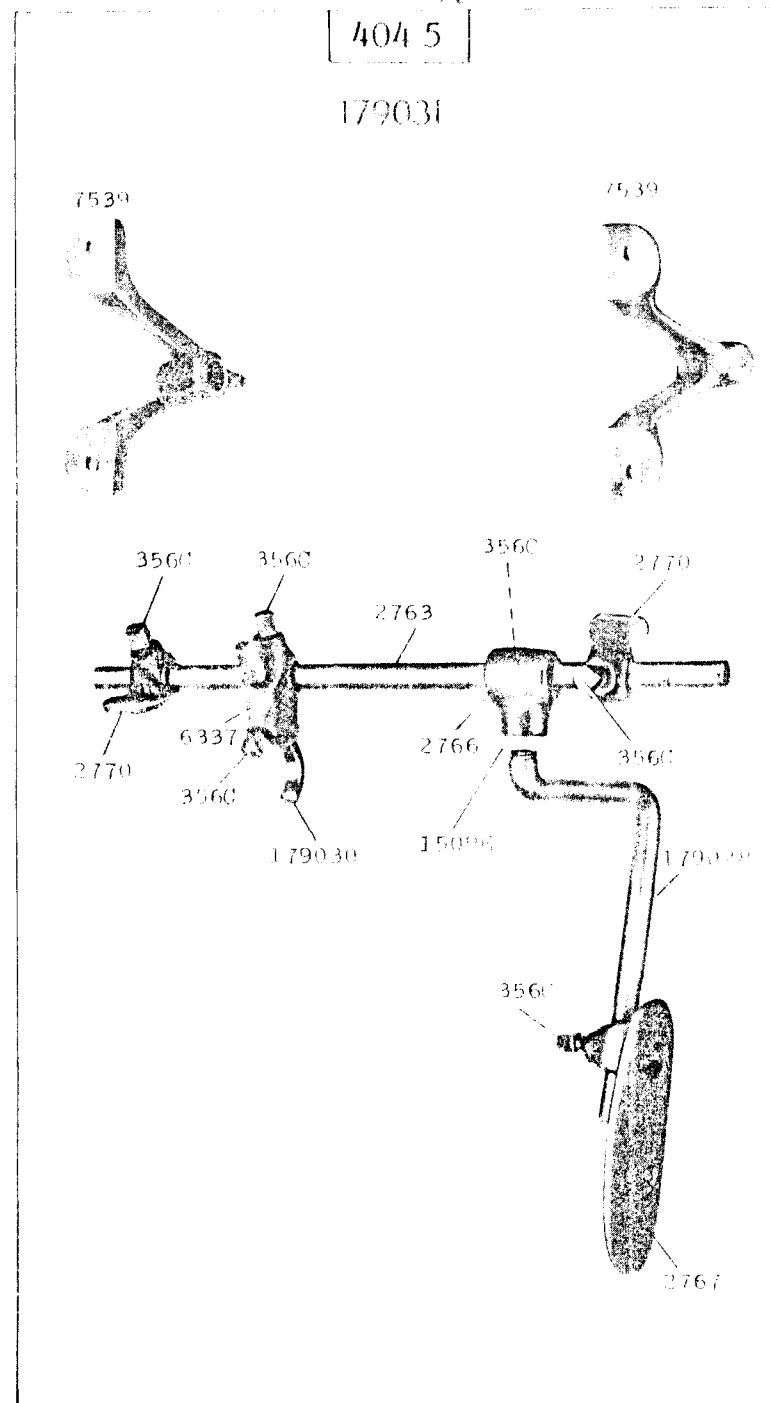
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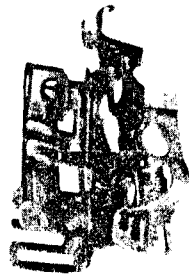
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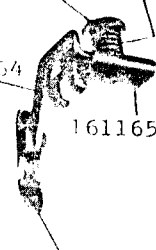
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140728J

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161172

161170

161171

140793J



161195

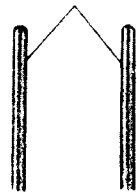


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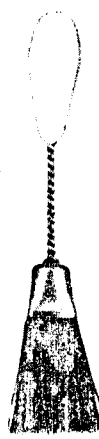
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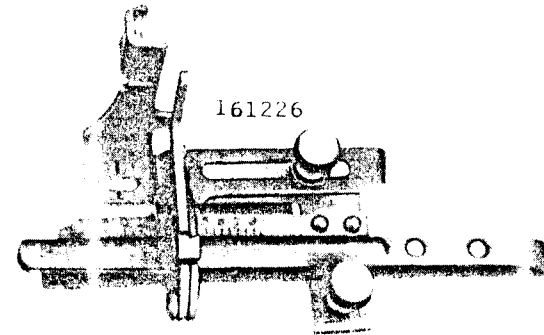
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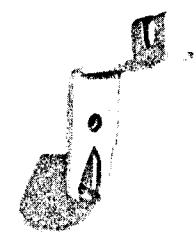
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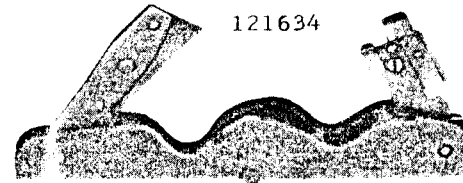
160851



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121634



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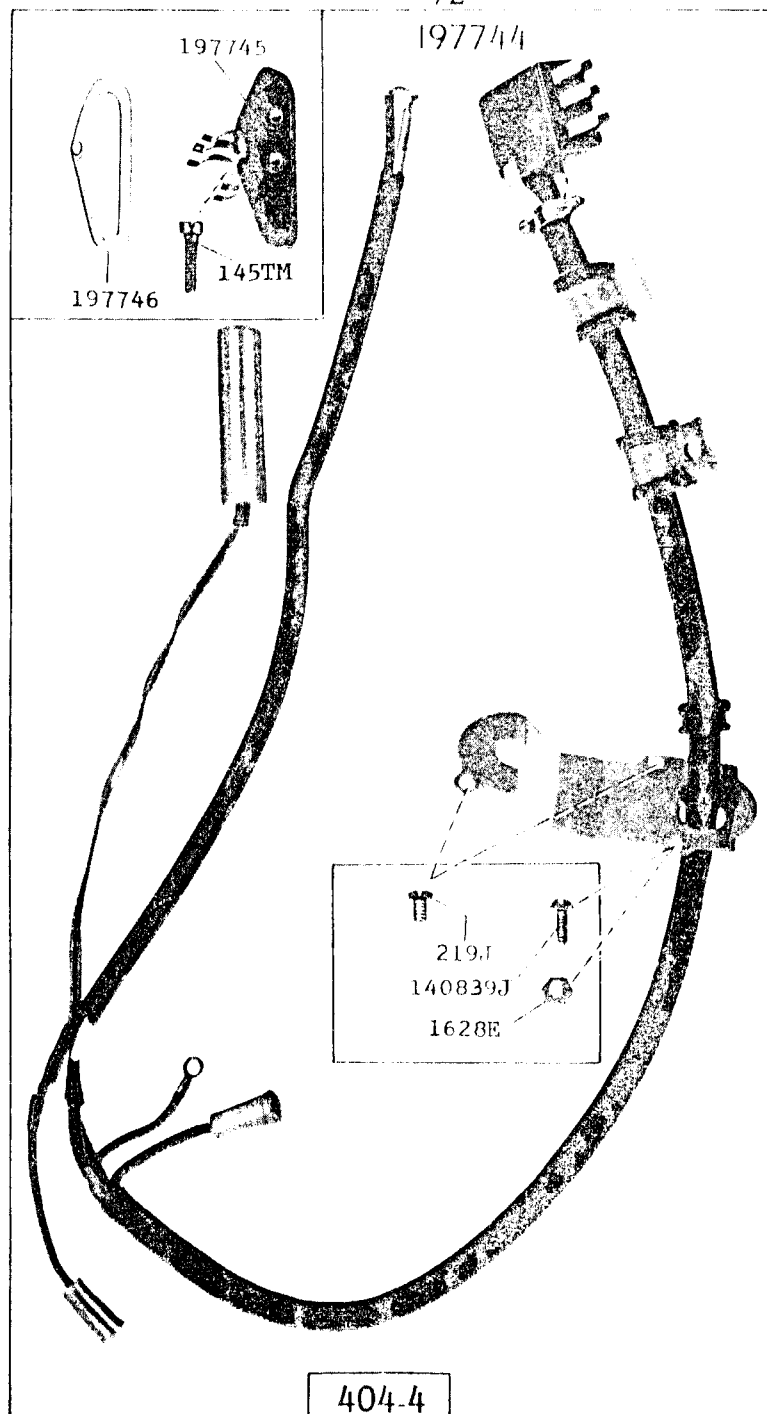
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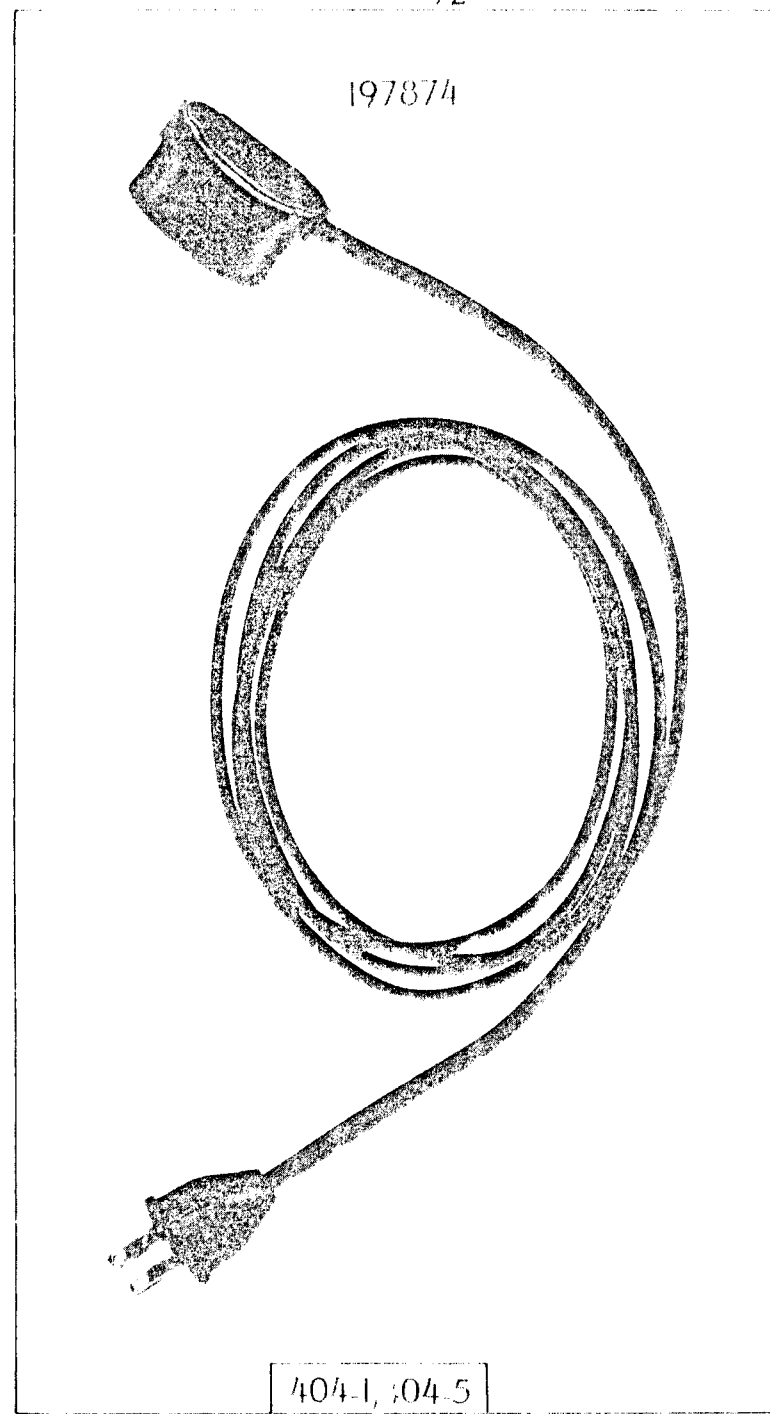
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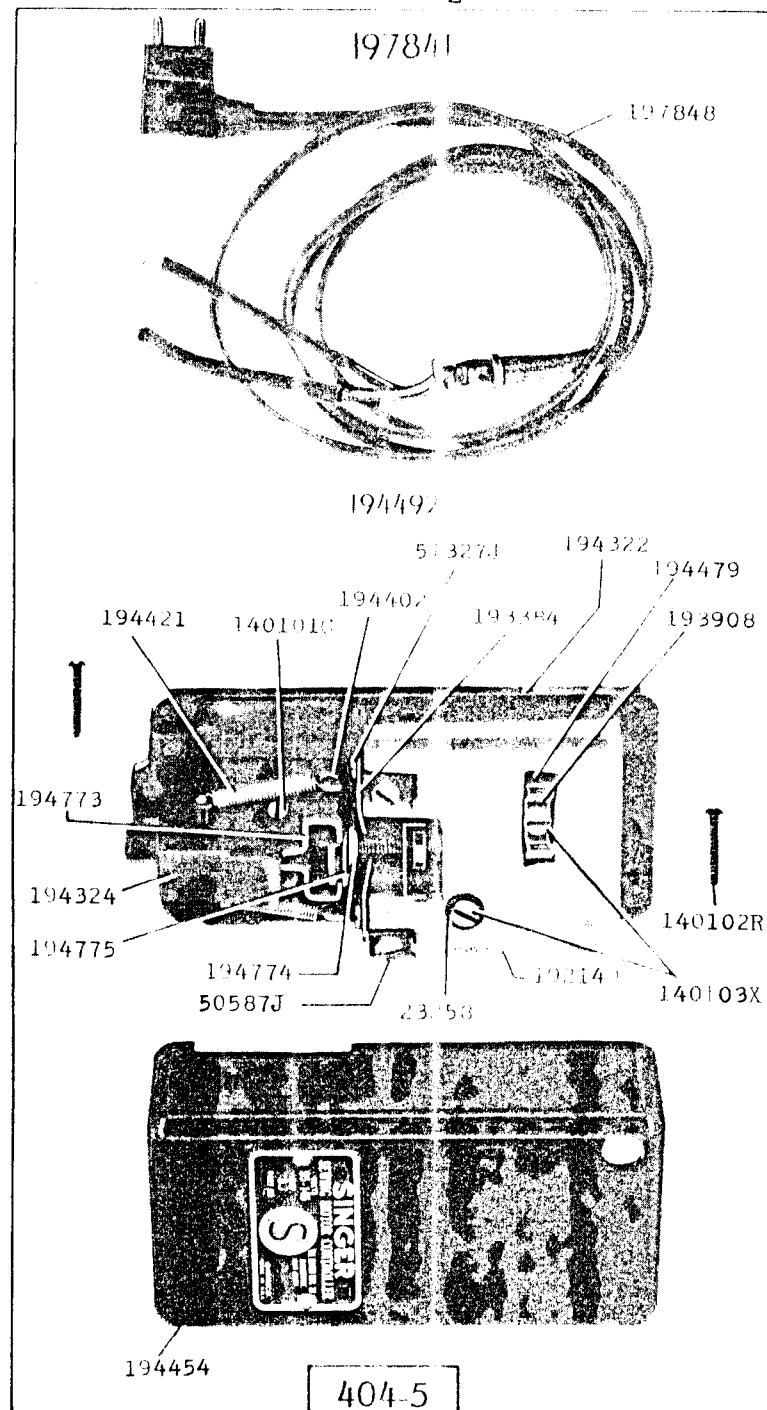


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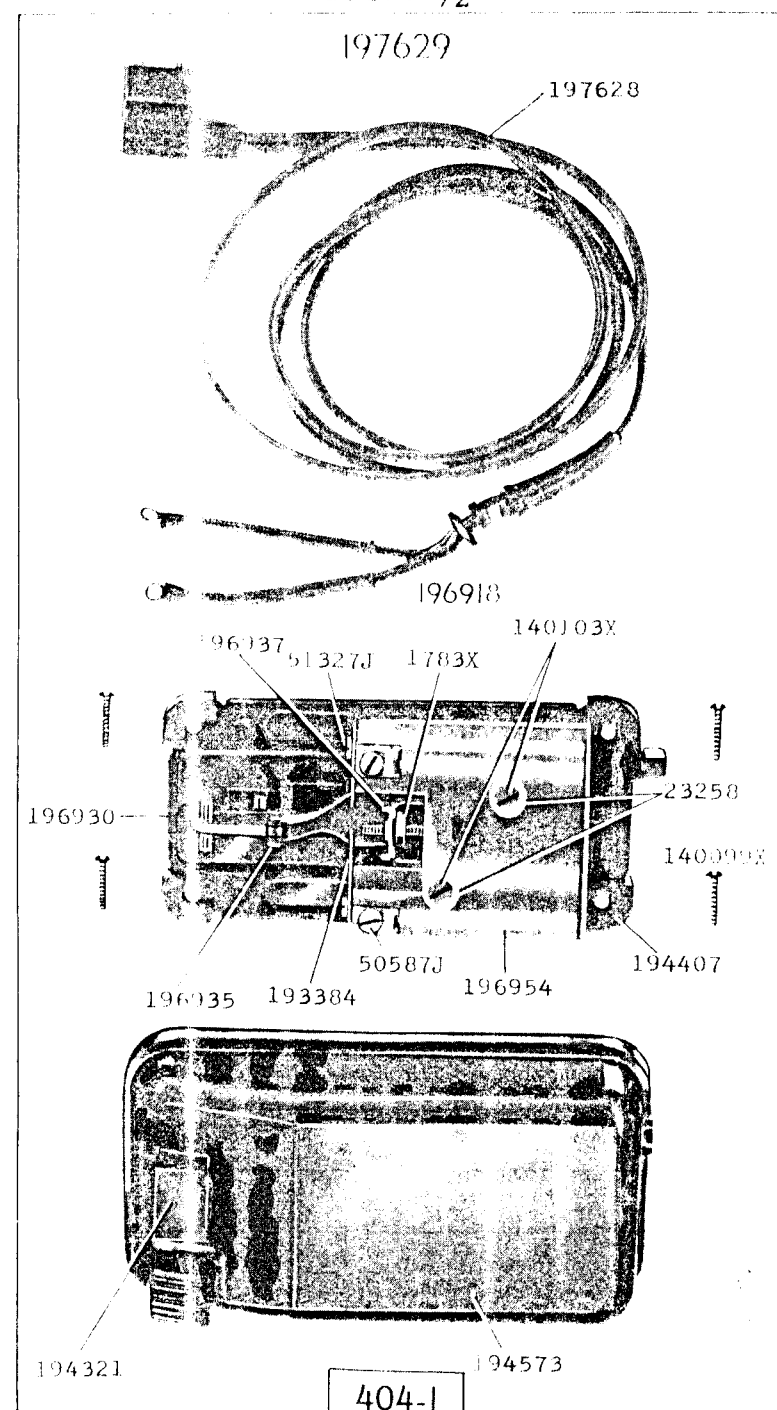
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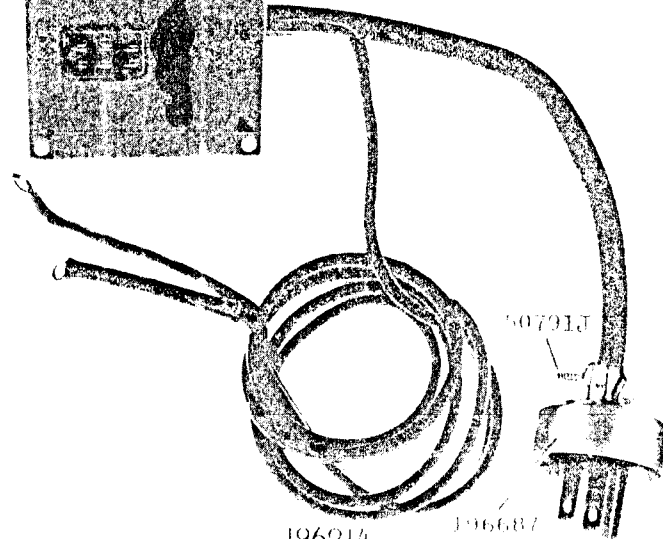
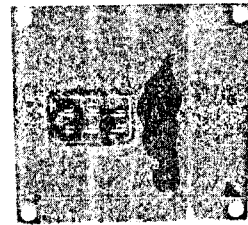
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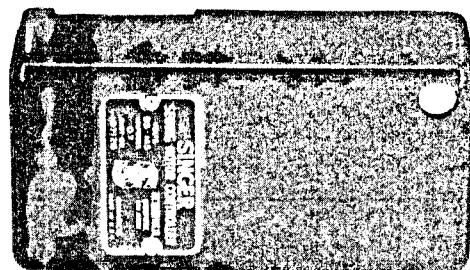
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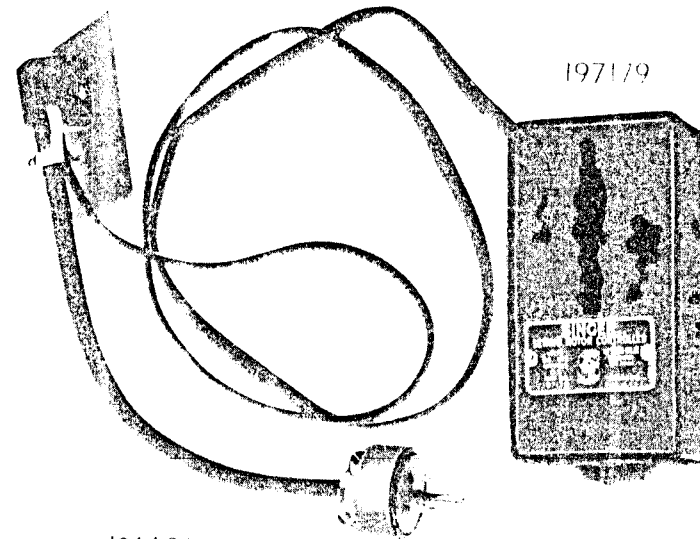
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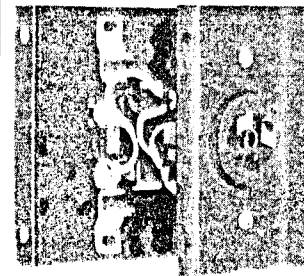
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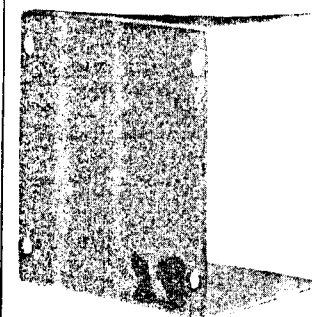
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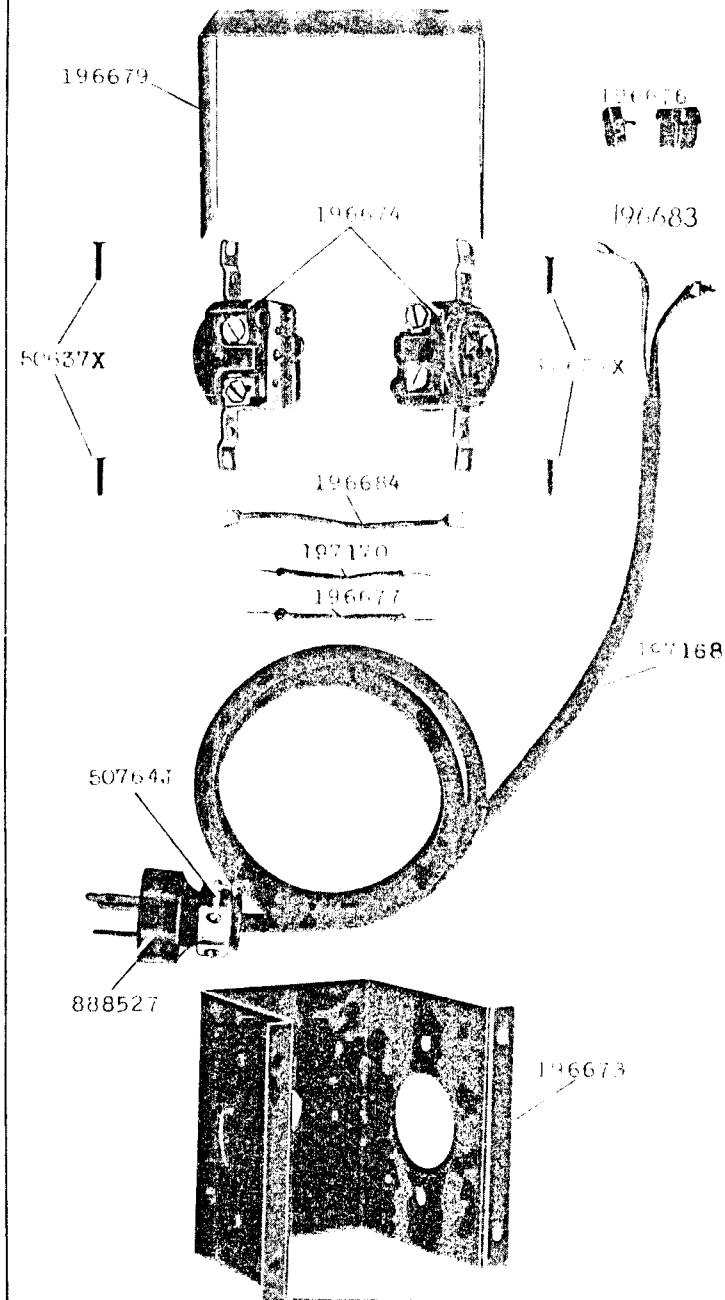
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