

SINGER
451K105

ILLUSTRATED
LIST OF PARTS

FOR

No. 451K105 Machine



**

**A Trade Mark of
THE SINGER MANUFACTURING COMPANY

INSTRUCTIONS FOR OILING

BEFORE STARTING THE MACHINE, fill reservoir in base to "high" mark. Inspect often enough to keep oil level from going below "low" mark in base.

To ensure easy running and prevent unnecessary wear of the parts which are in movable contact, the machine requires oiling and when in continuous use, "TYPE A" or "TYPE C" OIL, sold only by Singer Sewing Machine Company, should be applied at the beginning of each working day to all oil holes marked "OIL".

"TYPE C" OIL should be used when an oil is desired which will produce a minimum of stain on fabrics, even after a long period of storage

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INSTRUCTIONS FOR ORDERING

In ordering from this List, the prefix and affix letters with the part number **MUST BE** quoted exactly as they are shown in the first column.

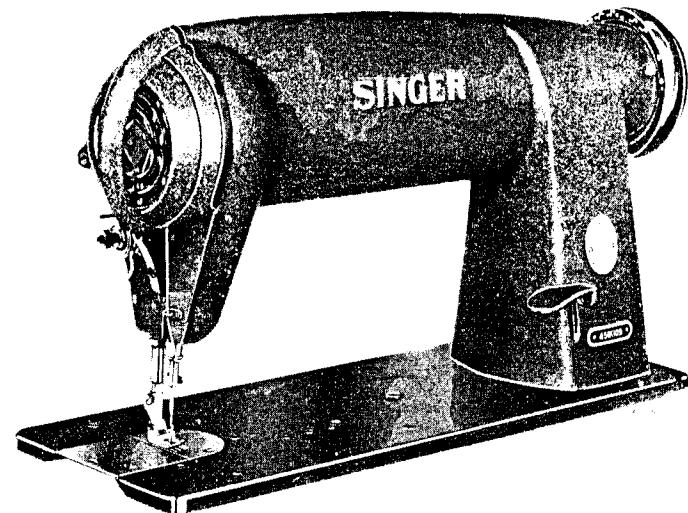
A number always indicates the same part in whatever List it may appear, or for whatever machine.

The affix letters (where shown) indicate the style of finish, 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.** Grey Baking Enamel Finish.
- A.E.** Hardened, Bright Rumbled and Nickel Plated.
- A.F.** Hardened, Bright Rumbled and Nickel Plated, Bright Rumbled and Chromium Plated.
- 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 Merized.
- 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.
- P.** Japanned, Bright.
- P.P.** Wrinkle Finish.
- R.** Merized.
- 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.

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

LIST OF PARTS COMPLETE FOR



MACHINE No. 451K105

SINGLE ROTARY THREAD TAKE-UP

**HAND OPERATED REVERSE FEED MECHANISM
HIGH SPEED. LOCK STITCH.**

**SINGLE NEEDLE LONG ARM
FOR STITCHING LIGHT AND MEDIUM WEIGHT
FABRICS**

No.	Plate	Name					
*276151		Arm	...	...	...	...	...
276002	18495	" Cover (back)	...	...	...	...	...
200053h	18495	" " (") Screw (2)	...	...	...	...	...
204235	18495	" Position Pin (2)	...	...	...	...	...
200004e	18495	" Screw (3)	...	...	...	...	...
202005	18495	" " Washer (3)	...	...	...	...	...
*276102	18492	" Shaft	...	...	...	...	...
276103	18492	" " 276102 with 200333e, 200362e, 270005, 276022, 276113 and 276115	...	...	...	...	...
270004	18492	Arm Shaft Ball Bearing (back)	...	...	...	...	...
270005	18492	" " " " (front)	...	...	...	...	...
270926	18492	" " Connection Belt (reinforced neoprene)	...	...	...	...	...

PARTS FOR MACHINE No. 454K105

No.	Plate	Name
271127	18492	Arm Shaft Connection Belt Pulley with 200363al, 350492e and two 214206 ...
350492e	18492	Arm Shaft Connection Belt Pulley Position Screw ...
200363al	18492	" " " " Set Screw ...
214206	18492	" " " " Spring Flange ...
276175	18492	Balance Wheel (aluminium alloy casting) for "V" belt (outside diam. of belt groove 2.9 in.) (rim diam. 4½ in.) with 350540e and 350541e ...
276176	18492	Balance Wheel 276175 with 270004 ...
350540e	18492	" " " Position Screw ...
350541e	18492	" " " Set Screw ...
*276152	... 18492	Bed ...
270009	18495	" " Slide ...
276106	18486	Face Plate with 276054 and four 200586h ...
350503b	18486	" " Screw (8) ...
276054	18486	" " Thread Guard ...
200586h	18486	" " " " Screw ...
276008	18494	Feed Bar ...
270012	18494	" " Centre (2) ...
200394e	18494	" " " " Set Screw ...
276058	18494	" " Lubricating Felt ...
52266	18494	" " Slide Block ...
52267	18494	" " " " 52266 with 125060 ...
*125060	18494	" " " " Stud ...
12481	2625	" " Dog, 18 teeth (16 teeth to the inch) for 12482 ...
50117e	2625	" " " Screw (2) ...
276153	18494	Driving Connection ...
276154	18494	" " " 276153 with 270016 ...
276168	18494	" " Crank with 200040e ...
350507e	18494	" " " " Hinge Screw ...
201531e	18494	" " " " " Nut ...
200404e	18494	" " " " Pinch Screw ...
276169	18494	" " Link ...
276170	18494	" " " " 276169 with 270653 ...
276171	18494	" " " " Hinge Pin with 214071 ...
244071	18494	" " " " " Oil Packing (wick) ...
200394e	18494	" " " " " Set Screw ...
270653	18494	" " Link Needle Bearing ...
270016	18494	" " " " Needle Bearing ...
270017	18493	" " Eccentric ...
276155	18493	" " " " Adjusting Disc ...
270137	18493	" " " " " Spring ...
270111	18493	" " " " " " Collar with 201220e ...
201220e	18493	" " " " " " Set Screw ...
240231	18493	" " " " Friction Gib ...
350562xc	18493	" " " " " Adjusting Screw ...
350562xc	18493	" " " " " Set Screw ...

PARTS FOR MACHINE No. 454K105

No.	Plate	Name
276180	18493	Feed Driving Flange with 200333e, 200346e, and four 350562xc ...
200333e	18493	" " " " Position Screw ...
200346e	18493	" " " " Set Screw ...
270940	18494	" " Rock Shaft with two each 200394e and 270942 ...
270941	18494	" " " " Centre (2) ...
201254e	18494	" " " " " Set Screw (2) ...
270942	18494	" " " " Insert (nylon) ...
270013	18494	" " Lifting Connection ...
270014	18494	" " " " 270013 with 270016 ...
270015	18494	" " Crank with 200040e ...
200040e	18494	" " " " Pinch Screw ...
200545e	18494	" " " " Hinge Screw ...
201522e	18494	" " " " " Nut ...
270016	18494	" " " " Needle Bearing ...
270918	18493	" " " Eccentric with 200382e and 201220e ...
201220e	18493	" " " " Position Screw ...
200382e	18493	" " " " Set Screw ...
270943	18494	" " Rock Shaft with 52267 and two 270942 ...
270944	18494	" " " " Centre (2) ...
201254e	18494	" " " " " Set Screw (2) ...
270942	18494	" " " " Insert (nylon) ...
270110	18493	" " Regulating Stud ...
240245	18493	" " " " Retaining Spring ...
270026	18493	" " " " Spring ...
276157	18494	" " Reversing Lever with 350477e ...
276158	18494	" " " " Connection ...
201107e	18494	" " " " " Hinge Screw (lower) ...
350509e	18494	" " " " " " (upper) ...
201520h	18494	" " " " " " " " " Nut ...
276160	18494	" " " " Handle ...
200575h	18494	" " " " " Screw ...
201529h	18494	" " " " " Nut ...
276159	18494	" " " " Hinge Pin ...
350477e	18494	" " " " " Set Screw ...
276173	18494	" " " Mechanism Support Link with 200386e ...
276174	18494	" " " " Stud ...
200346e	18493	" " " " " Set Screw ...
276161	18494	" " " " Shaft ...
276162	18494	" " " " Bushing (back) ...
276179	18494	" " " " " (front) ...
200382e	18494	" " " " Set Screw (2) ...
276163	18494	" " " " Crank with 200040e and 200386e ...
276164	18494	" " " " " Hinge Stud with 276046 ...
276046	18494	" " " " " Oil Packing (wick) ...
200386e	18494	" " " " " Set Screw ...
276165	18494	" " " " Link with 200394e ...
200040e	18494	" " " " Pinch Screw ...

350569 - Reversing Lever Stop Pin 10/55

PARTS FOR MACHINE No. 151R105

No.	Plate	Name
276166	18494	Feed Reversing Shaft Spring
276167	18494	" " " " Adjusting Collar with two 200092f
200092f	18494	" " " " " Set Screw ...
270256	18485	Knee Lifter Lifting Link
200293f	18485	" " " " Hinge Screw
276015	18495	" " " " Rod with 202302 ...
202302	18495	" " " " Cotter Pin ...
276016	18495	" " " " Spring ...
227227	18495	" " " " " Collar with 200113f ...
200113f	18495	" " " " " Set Screw ...
276109	18495	" " " " Rock Frame ...
200679f	18495	" " " " Hinge Screw (back) ...
200272c	18495	" " " " (front) ...
276110	18485	Needle Bar with 350445f ...
276111	18485	" " Bushing (lower) ...
270855	18485	" " (upper) ...
350550al	18485	" " " " Set Screw ...
270262	18485	" " Connecting Link ...
270263	18485	" " " " 270262 with 270266 ...
270264	18485	" " Guide Block ...
200054e	18485	" " " " " Screw (2) ...
276112	18485	" " " " Hinge Stud ...
276113	18492	" " " " Oiling Felt ...
276022	18492	" " " " " " " " Flange ...
276053	18492	" " " " " " " " Oil Leader
		Tube
200374c	18492	" " " " " " " " Set Screw ...
270266	18485	" " " " Needle Bearing ...
276114	18485	" " " " Thrust Washer ...
270856	18485	" " " " Stud with 200086c and 202330 ...
202330	18485	" " " " Oil Packing (wick) ...
200086c	18485	" " " " Pinch Screw ...
*276115	18492	" " Crank with two 200374c ...
200333c	18492	" " " " Position Screw ...
200362c	18492	" " " " " Check Screw ...
270058	18485	" " " " Oiling Felt ...
350445f	18485	" " " " Set Screw ...
276116	18485	Presser Bar with 176x ...
276025	18485	" " Ball, $\frac{3}{16}$ in. diameter ...
270114	18485	" " Bushing ...
276117	18485	" " Lifter ...
350442c	18485	" " " " Hinge Screw ...
276028	18485	" " " " Lifting Releasing Lever Bracket ...
276029	18485	" " " " Position Guide with 350441c ...
350441c	18485	" " " " Pinch Screw ...
276119	18495	" " " " Spring ...

PARTS FOR MACHINE No. 151R105

No.	Plate	Name	
350435c	18495	Presser Bar Spring Screw (pressure regulating) ...	
350499c	18495	" " " " Stud ...	
62527	2625	" " Foot Hinge Pin ...	
24514	2625	" " " " Plate ...	
24982	2625	" " " " Shank ...	
26231	2625	" " " " Spring ...	
24983	2625	Presser Foot (spring hinged), complete, Nos. 24514, 24982, 26231 and 62527 ...	
176x	18485	Presser Foot Screw ...	
276120	18486	Rotary Take-up ...	
276121	18486	" " " " Adjusting Disc ...	
276034	18486	" " " " Clamping Plate ...	
200567h	18486	" " " " " " " " Screw (2) ...	
276123	18486	" " " " Counterbalance ...	
350503h	18486	" " " " " " " " Screw (2) ...	
276036	18486	" " " " Guard ...	
276039	18486	" " " " " " " " Bracket ...	
200031x	18486	" " " " " " " " Screw (long) ...	
200069x	18486	" " " " " " " " (short) ...	
276037	18486	" " " " " " " " Cover ...	
276056	18486	" " " " " " " " Friction Plate ...	
200166h	18486	" " " " " " " " " " " " " " Screw ...	
276038	18486	" " " " " " " " Grill ...	
200138d	18486	" " " " " " " " " " " " " " Screw (3) ...	
200263xc	18486	" " " " " " " " Hinge Screw ...	
67425	18486	" " " " " " " " " " " " " " Spring Washer ...	
230743c	18486	" " " " " " " " " " " " " " Thrust Washer ...	
350584xe	204074f	18486	" " " " " " " " " " " " " " Screw (2) ...
200577al	18486	" " " " " " " " " " " " " " Screw (3) ...	
276043	18486	" " " " " " " " " " " " " " Spacer ...	
270868	18379	Rotating Hook with 143301 and two 1253al ...	
270869	18379	" " " " 270868 with 270874xc and four 1035e ...	
270870	18379	" " " " 270869 with 270872, 270876 and three 1367e ...	
270871	18379	" " " " 270870 with 52237 ...	
270010	18379	" " " " Bobbin ...	
52235	18379	" " " " " Case ...	
52236	18379	" " " " " " " " 52235 with 5911, 1380e and 10391 ...	
40393	18379	" " " " " " " " Hinge, Nos. 2974, 40392 and 125320 ...	
270872	18379	" " " " " " " " Holder (chromium plated) ...	
52018	18379	" " " " " " " " " " " " " " Position Bracket ...	
200077d	18379	" Screw ...	
40392	18379	" " " " " " " " " " " " " " Latch ...	
125320	18379	" " " " " " " " " " " " " " Lever ...	
2974	18379	" " " " " " " " " " " " " " Fulcrum Pin ...	
2975	18379	" " " " " " " " " " " " " " Spring ...	
592c	18379	" " " " " " " " " " " " " " Stop Screw ...	
40391	18379	" " " " " " " " " " " " " " Tension Spring ...	

276122 -- Rotary Take-up Adjusting Disc 276121, with
276123 and two 350503h ...

No.	Plate	Name						
591f	18379	Rotating Hook Bobbin Case Tension Spring	Regulating Screw					
1380e	18379	" " "	" " "	Screw	...	...	...	...
52237	18379	" " "	" " "	complete, Nos. 592e, 2975, 40393				
		and 52236	...	...	...	...	...	...
270873	18379	Rotating Hook Bobbin Case	52237 with 270872					
276125	18493	" " Driving Shaft	...	...	...	...	...	...
270032	18493	" " "	" " Ball Bearing	...	...	...	...	...
276045	18493	" " "	" " Bushing with 276046	...	...	...	...	...
276046	18493	" " "	" " " Oil Packing (wick)	...	...	...	...	...
200346e	18493	" " "	" " " Set Screw	...	...	...	...	...
270169	18493	" " "	" " Connection Belt Pulley with					
		214206 and two 200070e	...	...	...	...	...	...
200070e	18493	Rotating Hook Driving Shaft	Connection Belt Pulley	Set Screw				
214206	18493	" " "	" " "	" " Spring				Flange
276047	18493	" " "	" " Gear (internal teeth) with 200382e					and 201220e
201220e	18493	" " "	" " " Position Screw	...	...	...	...	...
200382e	18493	" " "	" " " Set Screw	...	...	...	...	...
270036	18493	" " "	" " " Oil Lead Wire	...	...	...	...	...
276177	18495	" " Oil Reservoir Cover	...	...	...	...	...	...
276178	18495	" " "	" " Gasket	...	...	...	...	...
200041x	18495	" " "	" " " Screw (6)	...	...	...	...	...
143301	18379	" " Oil Wick (felt)	...	...	...	...	...	...
270876	18379	" " Section	...	...	...	...	...	...
1367e	18379	" " "	Screw	...	...	...	...	...
1253al	18379	" " Set Screw	...	...	...	...	...	...
276059	18493	" " Shaft	...	...	...	...	...	...
270163	18493	" " "	Bushing	...	...	...	...	...
268258	18493	" " "	Oil Packing (wick)	...	...	...	...	...
200346e	18493	" " "	Set Screw	...	...	...	...	...
270164	18493	" " "	End Bearing	...	...	...	...	...
201215d	18493	" " "	Screw	...	...	...	...	...
202423	18493	" " "	Oil Filter Wick	...	...	...	...	...
276061	18493	" " "	Holder	...	...	...	...	...
276062	18493	" " "	complete, Nos. 202423 and					276061
350498e	18493	" " "	Regulating Screw	...	...	...	...	...
270044	18493	" " "	Thrust Washer	...	...	...	...	...
276060	18493	" " "	Bushing, complete, Nos. 268258, 270044,					
		270163, 270164, 276059, 276062, 350498e and two 201215d ...						
270874xc	18379	Rotating Hook Thread Guard	...	...	...	...	...	...
1053e	18379	" " "	Screw	...	...	...	...	...
2102	18486	Tension Disc	...	...	...	...	...	...
276048	18485	" " Releaser (adjustable)	...	...	...	...	...	...
200132e	18485	" " "	Screw	...	...	...	...	...
22572	18486	" " Releasing Disc

270878 - Rotating Hook Driving Shaft Oil Retaining
Washer (felt)

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No.	Plate	Name			
270086	18486	Tension Releasing Pin
13710	18486	" Spring
50304c	18486	" Stud
52098	18486	" " 50304c with 1560e	...	...	...
50305c	18486	" " Set Screw	...	...	...
276055	18486	Thread Guide Pin	...	...	...
1560e	18486	Thumb Nut	...	...	...
276049	18486	Tension, complete, Nos. 13710, 32572, 39652, 52083, 52098, 270086 and two 2102	...	...	...
276050	18486	Thread Cutter	...	...	...
200583b	18486	" " Screw	...	...	...
276051	18486	Guide	...	...	...
263118	18485	" " (on Needle Bar Bushing)	...	...	...
350503h	18486	" " Screw	...	...	...
276148	18485	Pull off	...	...	...
200145e	18485	" " Screw (2)	...	...	...
276052	18486	Retainer (front)	...	...	...
200397h	18486	" " (") Set Screw	...	...	...
270080	18486	" " (rear)	...	...	...
200366h	18486	" " (") Set Screw	...	...	...
39652	18486	Take up Spring	...	...	...
52083	18486	" " " Regulator with 50305c	...	...	...
153xc	18486	" " " " Set Screw	...	...	...
6911	2625	Throat Plate Screw (2)	...	...	...
12482	2625	" " (large needle hole) for 12481	...	...	...

Presser Foot

(for General Work)

12	86659	-	Presser Foot Plate	... ...	... ...	... ...	... ...
	86660	-	" " Shank	... ...	... ...	... ...	... ...
	86661	-	Presser Foot (hinged), Complete, Nos. 86659 and 86660	... ...	... ...	... ...	1/54
	No.	Plate	Name	... ...	... ...	... ...	... ...
	25878	2627	Cloth Guide	... ...	... ...	... ...	... ...
	50190	2627	" " Thumb Screw	... ...	... ...	... ...	... ...
	270010	18379	Rotating Hook Bobbin (2)	... ...	... ...	... ...	... ...
	270155	18493	" " Oil Reservoir Oil Gauge	... ...	... ...	... ...	... ...
	120378	2627	Screw Driver (Bobbin Case)	... ...	... ...	... ...	... ...
	135 x 25 31	-	Needles, six, size 16	... ...	... ...	... ...	... ...
	228479	18333	Drip Pan with four $\frac{1}{2}$ in. wire nails	... ...	... ...	... ...	... ...
	12361	2627	Machine Hinge Connection (2)	... ...	... ...	... ...	... ...
	41400	2627	" Rest Pin (wood)	... ...	... ...	... ...	... ...
	120342	2627	Oiler (copper plated) with 120343	... ...	... ...	... ...	... ...
	120343	2627	" Spout ($\frac{3}{4}$ in. long)	... ...	... ...	... ...	... ...
	85318	2627	Screw Driver	... ...	... ...	... ...	... ...
			Tin of Oil ($\frac{1}{2}$ pint)	... ...	... ...	... ...	... ...
	240566	-	Wrench (not regularly supplied)	... ...	... ...	... ...	... ...

BOBBIN WINDER

(SWINGING AUTOMATIC, RIGHT HAND)

FOR "V" BELT DRIVE

259428	2624	Brake (leather)	... ...	... ...	... ...	... ...	... ...
259429	2624	" Clamp	... ...	... ...	... ...	... ...	... ...
200113f	2624	" " Screw	... ...	... ...	... ...	... ...	... ...
225453	2624	Frame with 202277 and 259660	... ...	... ...	... ...	... ...	... ...
225454	2624	" Hinge Pin	... ...	... ...	... ...	... ...	... ...
202277	2624	" Oil Packing (wick)	... ...	... ...	... ...	... ...	... ...
259660	2624	" " Well Washer	... ...	... ...	... ...	... ...	... ...
225455	2624	" Spring	... ...	... ...	... ...	... ...	... ...
225456	2624	" " Plunger	... ...	... ...	... ...	... ...	... ...
104211	2624	Pulley with 200380c	... ...	... ...	... ...	... ...	... ...
200380c	2624	" Set Screw	... ...	... ...	... ...	... ...	... ...
225381	2624	Spindle	... ...	... ...	... ...	... ...	... ...
225444	2624	Stop Latch	... ...	... ...	... ...	... ...	... ...
200056e	2624	" " Screw	... ...	... ...	... ...	... ...	... ...
225458	2624	" " Thumb Lever	... ...	... ...	... ...	... ...	... ...
225459	2624	" " " " Hinge Stud	... ...	... ...	... ...	... ...	... ...
225459	2624	" " " " Joint Stud	... ...	... ...	... ...	... ...	... ...
202478	2624	" " Trip Lever	... ...	... ...	... ...	... ...	... ...
200299h	2624	" " " " Hinge Screw	... ...	... ...	... ...	... ...	... ...
225461	2624	Tension Bracket with 201499h	... ...	... ...	... ...	... ...	... ...
200082d	2624	" " Screw	... ...	... ...	... ...	... ...	... ...
228026	2624	" " " " Washer	... ...	... ...	... ...	... ...	... ...
2102	2624	" Disc	... ...	... ...	... ...	... ...	... ...
13710	2624	" Spring	... ...	... ...	... ...	... ...	... ...
201499h	2624	" Stud	... ...	... ...	... ...	... ...	... ...

ACCESSORIES

No.	Plate	Name
201572b	2624	Tension Stud Thumb Nut
225462	2624	Bobbin Winder Tension Bracket, complete, Nos. 13710, 201572b, 225461 and two 2102
259430	2624	Bobbin Winder and Tension Bracket Base
104212	2624	Bobbin Winder (swinging automatic, right hand), complete, Nos. 104211, 200056e, 200082d, 200113f, 200299h, 202478, 225381, 225444, 225453 to 225456, 225458, 225462, 228026, 259428 to 259430, two each 225459 and wood screws $\frac{3}{8}$ " No. 12 R.H.B.

KNEE LIFTER

228743	18333	Rock Lever with two 350231e
228707	18333	" " " Bracket with 200347e and three wood screws $\frac{3}{8}$ in., No. 12
228709	18333	Rock Lever Bracket 228707 with 228363, 228367, 228386, 228455 and 228713
228370	18333	Rock Lever Extension with 200529e
350231e	18333	" " " Set Screw
228363	18333	" " " Hinge Pin
228364	18333	" " " Knee Plate with 350231e
228388	18333	" " " " Arm
350231e	18333	" " " " " Set Screw
350231e	18333	" " " " " Set Screw
228455	18333	" " Position Spring
228365	18333	" " Rod
200529e	18333	" " " Set Screw
228386	18333	" " Spring
228367	18333	" " Stop Stud
200347e	18333	" " " Set Screw
228710	18333	Knee Lifter Rock Lever, complete, Nos. 228364, 228365, 228370, 228388 and 228709

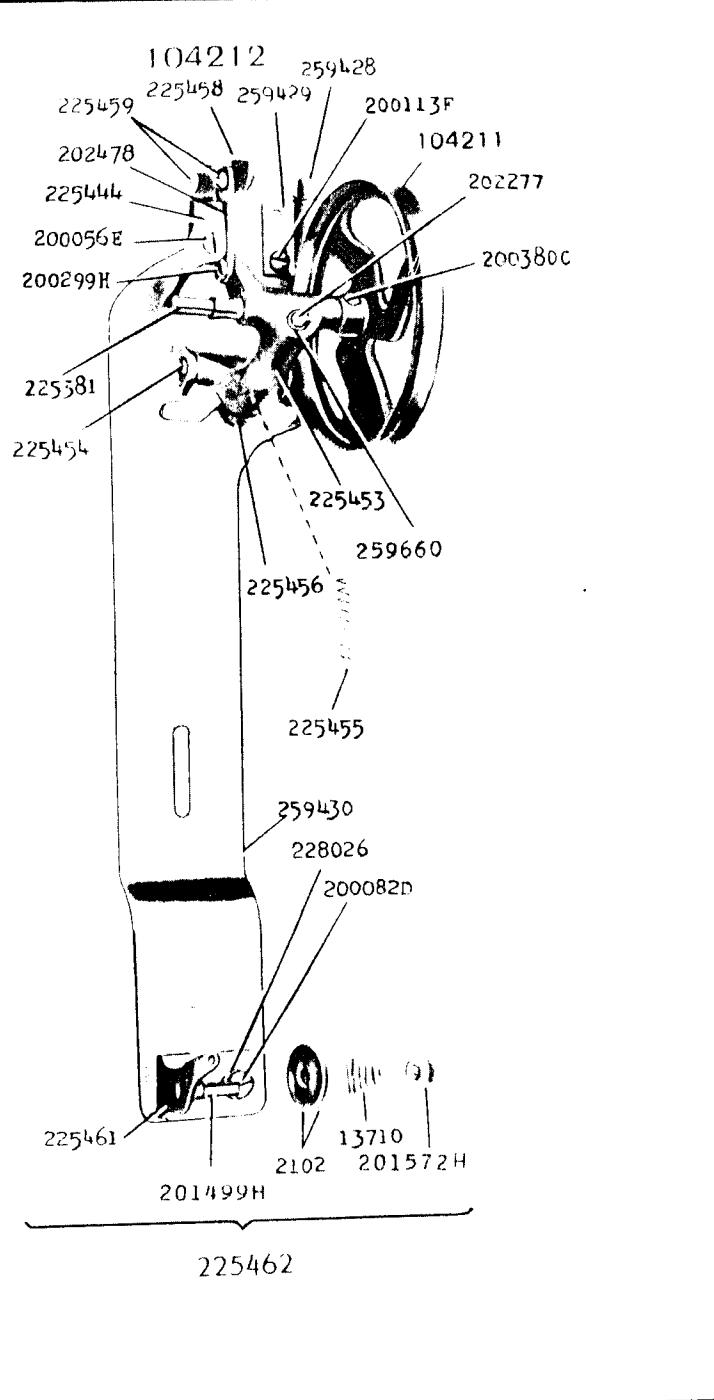
(Other Knee Lifter parts are listed with parts of Machine Head)

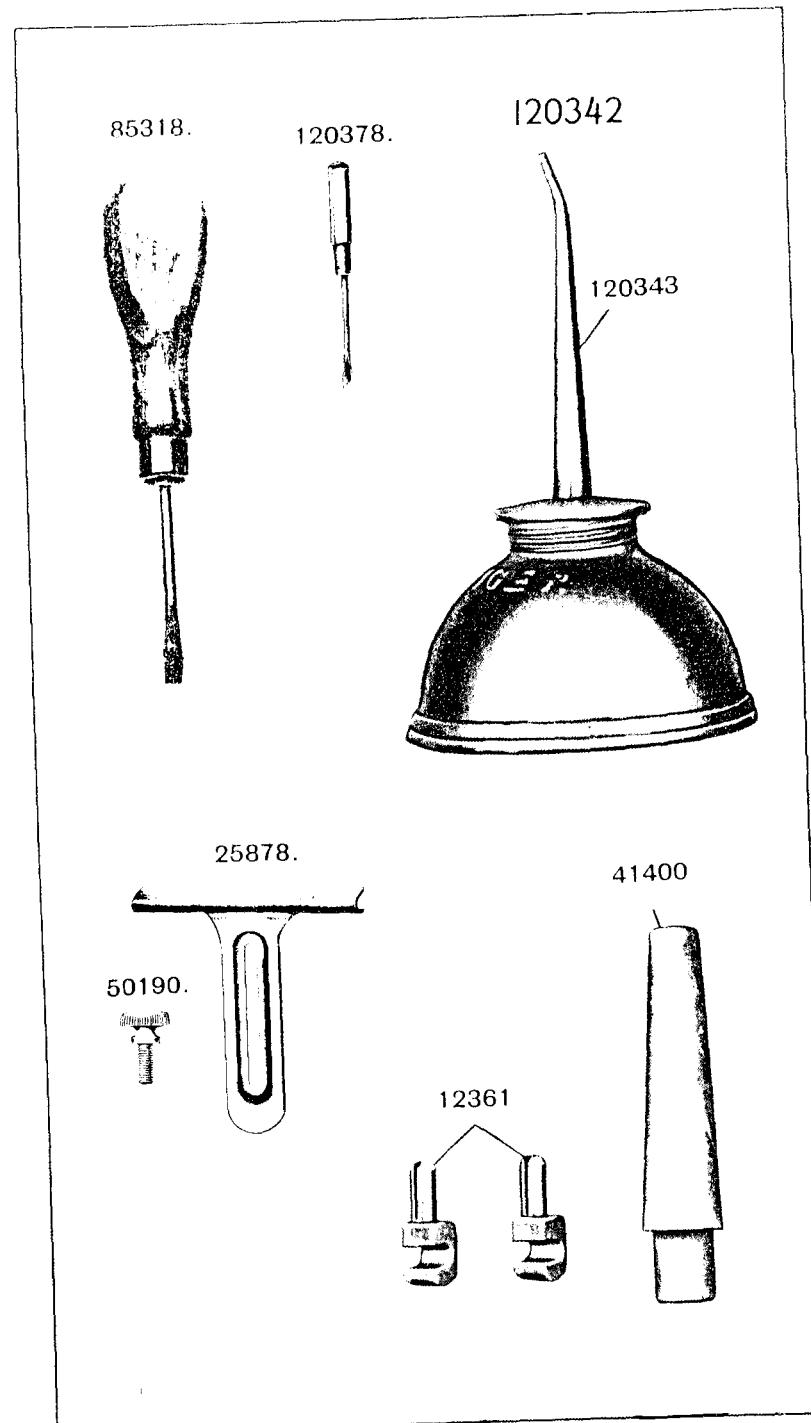
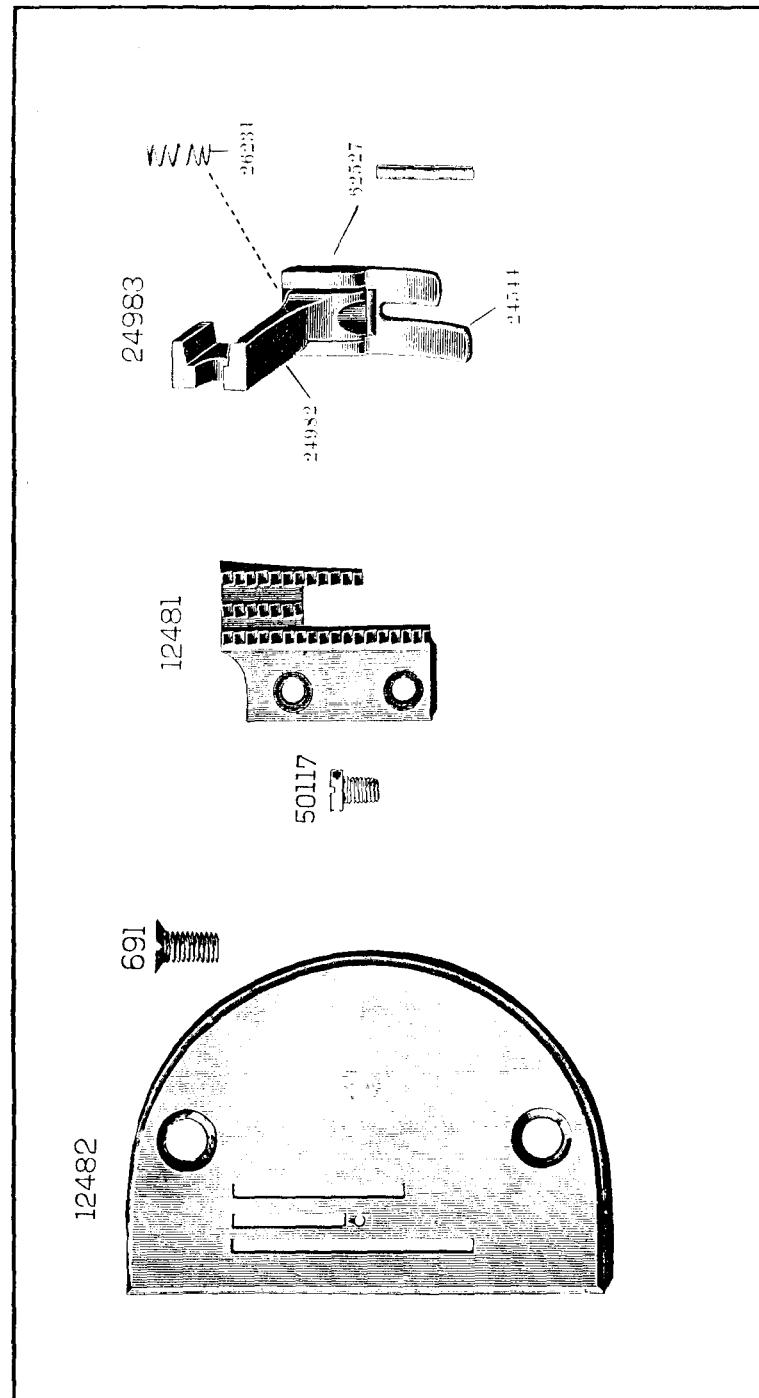
THREAD UNWINDER

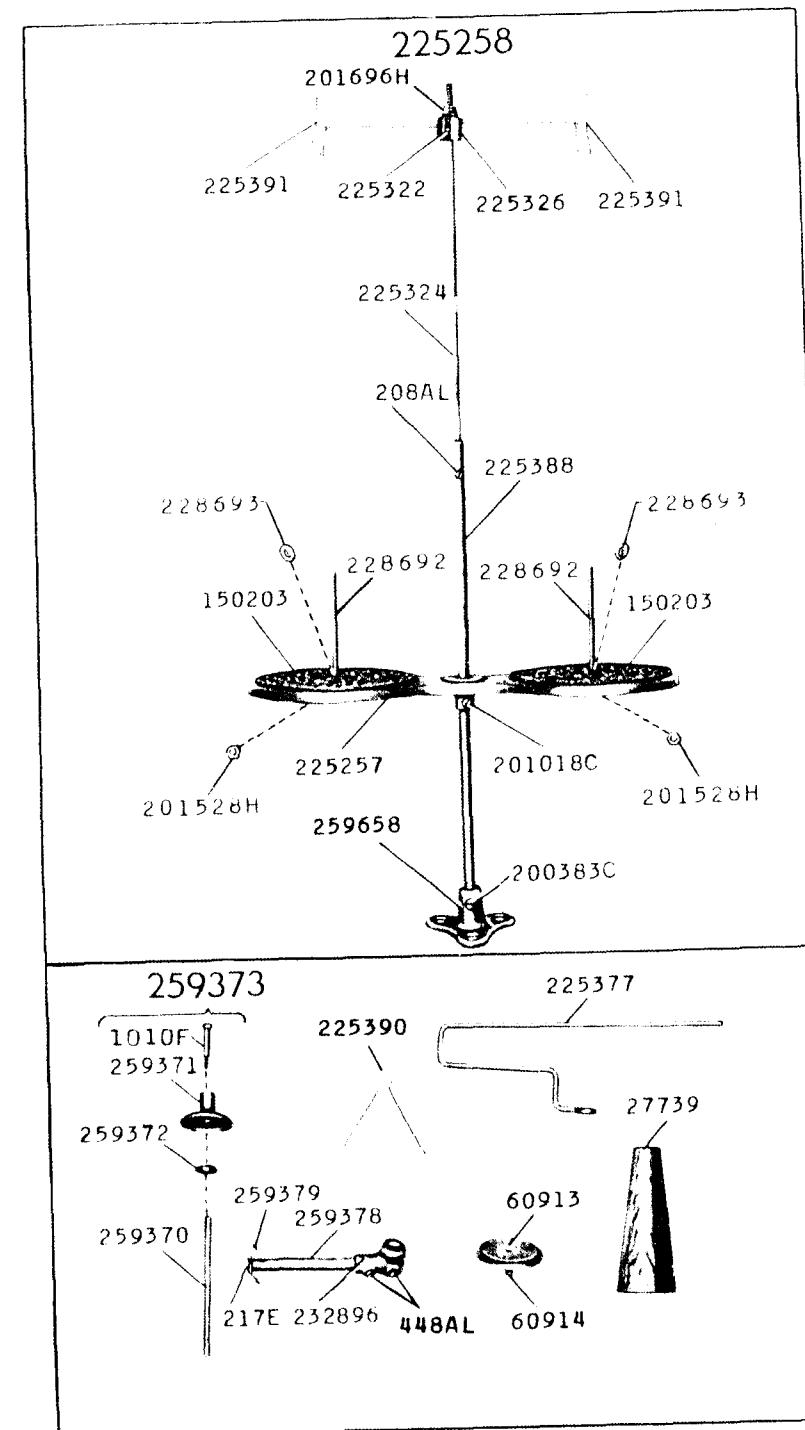
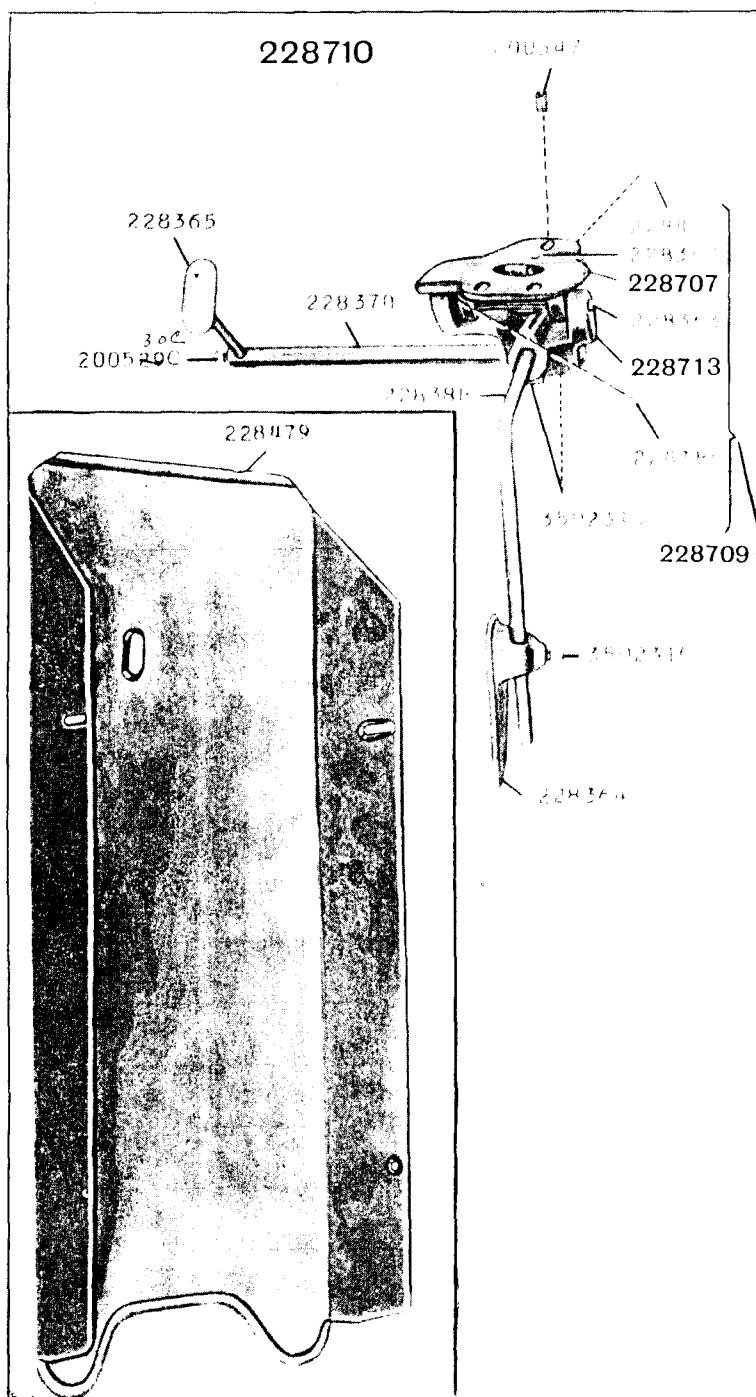
No.	Plate	Name	...	...	...	...	...	...	...
228692	18362	Spool Pin	...	...	...	...	...	...	...
201528b	18362	" " Nut	...	...	...	...	...	...	...
228693	18362	" " Washer	...	...	...	...	...	...	...
225257	18362	" Rest (for two spools) (flat) with 201018c, two each 201528b, 228692 and 228693	...	...	...	...	...	...	...
150203	18362	Spool Rest Cushion (felt)	...	...	...	...	...	...	...
225388	18362	" " Rod	...	...	...	...	...	...	...
200383c	18362	" " " Set Screw	...	...	...	...	...	...	...
201018c	18362	" " Set Screw	...	...	...	...	...	...	...
259658	18362	" Stand with 200383c	...	...	...	...	...	...	...
225391	18362	Thread Guide	...	...	...	...	...	...	...
201696b	18362	" " Lock Nut	...	...	...	...	...	...	...
225326	18362	" " Position Cup	...	...	...	...	...	...	...
225324	18362	" " Rod with 208al and 225322	...	...	...	...	...	...	...
208al	18362	" " " Screw	...	...	...	...	...	...	...
225322	18362	" " " Washer	...	...	...	...	...	...	...
225258	18362	Thread Unwinder (for two spools), complete, Nos. 201696b, 225257, 225324, 225326, 225388, 259658, two each 150203, 225391 and three wood screws $\frac{1}{2}$ in. No. 12

MISCELLANEOUS PARTS

USED IN CONJUNCTION WITH									
THREAD UNWINDER									
259370	18362	Spool Pin	...	...	...	...	...	...	...
259378	18362	" " Arm with 217e and 259379	...	...	...	...	...	...	...
232896	18362	" " " Bracket with two 148al	...	...	...	...	...	...	...
148al	18362	" " " " Set Screw	...	...	...	...	...	...	...
148al	18362	" " " " Set Screw	...	...	...	...	...	...	...
259371	18362	" " " Cap (bakelite) ...	...	...	...	...	...	...	...
1010f	18362	" " " Hinge Screw	...	...	...	...	...	...	...
259379	18362	" " Retaining Spring	...	...	...	...	...	...	...
217e	18362	" " " " Screw	...	...	...	...	...	...	...
259372	18362	" " " Washer	...	...	...	...	...	...	...
259373	18362	Spool Pin, complete, Nos. 1010f and 259370 to 259372	...	...	...	...	...	...	...
60913	18362	Spool Weight with 60914 ...	...	...	...	...	...	...	...
60914	18362	" " Centre Pin ...	...	...	...	...	...	...	...
225377	18362	" " Wire, for small spools	...	...	...	...	...	...	...
27739	18362	Thread Cone (wood)	...	...	...	...	...	...	...
225390	18362	" " " Holder	...	...	...	...	...	...	...







270871

270873

270870

270869

