

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.

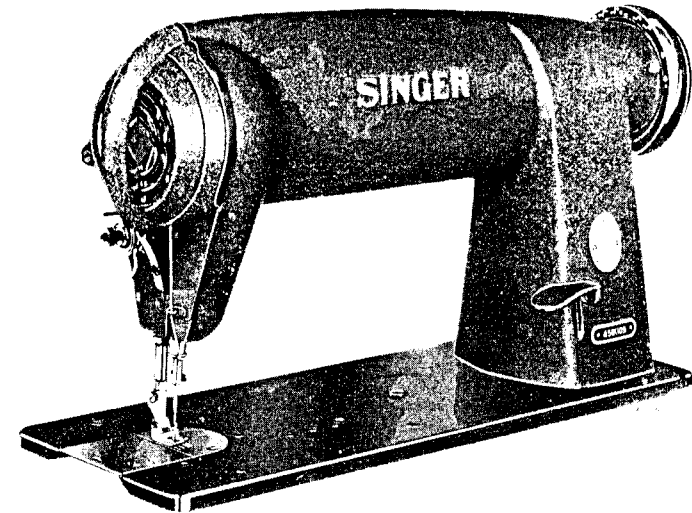
The affix letters (where shown) indicate the style of finish, as follows : -

- 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 Merlized.
 - D. Polished only.
 - E. Soft, not Polished.
 - F. Hardened and Polished.
- F.J. Hardened, Polished and Nickel Plated.
- G. Bright Rumbled and Nickel Plated.
- H. Blued.
- J. Nickel Plated only.
- K. Hardened and Nickel Plated.
- L. Brass Plated.
- M. Oxidized.
- N. Japanned, Dull.
- P. Japanned, Bright.
- P.P. Wrinkle Finish.
- R. Merlized.
- S. Cadmium Plated.
- T. Copper Plated.
- T.A. Hardened, Polished, Copper and Nickel Plated and Buffed.
- T.B. Copper and Nickel Plated and Polished.
- T.J. Copper and Nickel Plated only.
- T.K. Hardened, Copper and Nickel Plated.
- T.L. Copper and Brass Plated.
- T.M. Copper Plated and Oxidized.
 - U. Zinc Plated.
 - V. Silver Plated.
 - W. Polished and Nickel Plated.
 - X. Black Oxide for Iron and Steel.
- X.C. Hardened and Black Oxide for Iron and Steel.
- Y. Black Nickel Plated only.
- Z. Chromium Plated.
- Z.A. Hardened, Polished, Nickel Plated, Buffed and Chromium Plated.
- Z.B. Polished, Nickel Plated, Buffed and Chromium Plated
- Z.C. Hardened and Chromium Plated.
- Z.D. Polished and Chromium Plated.
- Z.G. Bright Rumbled, Nickel Plated, Bright Rumbled and Chromium Plated.
- Z.J. Nickel and Chromium Plated.
- Z.T. Copper and Chromium Plated.

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)	...	...	...	...	...	...
200001c	18495	" Screw (3)	...	...	...	...	...	...
202005	18495	" " Washer (3)	...	...	...	...	...	...
*276102	18492	" Shaft	...	...	...	...	...	...
276103	18492	" " 276102 with 200333c, 200362c, 270005, 276022, 276113 and 276115	...	...	...	...	...	...
270004	18492	Arm Shaft Ball Bearing (back)	...	...	...	...	...	...
270005	18492	" " " " (front)	...	...	...	...	...	...
270926	18492	" " Connection Belt (reinforced neoprene)	...	...	...	...	...	...

No.	Plate	Name
271127	18492	Arm Shaft Connection Belt Pulley with 200363al, 350492c and two 214206
350492c	18492	Arm Shaft Connection Belt Pulley Position Screw
200363al	18492	" " " " " " Set Screw
214206	18492	" " " " " " Spring Flange
276175	18492	Balance Wheel (aluminium alloy casting) for "X" belt (outside diam. of belt groove 2.9 in.) (rim diam. $4\frac{1}{2}$ in.) with 350540c and 350541c
276176	18492	Balance Wheel 276175 with 270004
350540c	18492	" " " " Position Screw
350541c	18492	" " " " Set Screw
*276152	....	Bed
270009	18495	" " Slide
276106	18486	Face Plate with 276054 and four 200586h
350503h	18486	" " Screw (2)
276054	18486	" " Thread Guard
200586h	18486	" " " " Screw
276008	18491	Feed Bar
270012	18491	" " Centre (2)
200394c	18491	" " " " Set Screw
276058	18491	" " Lubricating Felt
52266	18491	" " Slide Block
52267	18494	" " " " " 52266 with 125060
*125060	18494	" " " " Stud
12481	2625	" Dog, 18 teeth (16 teeth to the inch) for 12482
50117c	2625	" " Screw (2)
276153	18494	" Driving Connection
276154	18494	" " " " 276153 with 270016
276168	18491	" " " " Crank with 200040e
350507c	18491	" " " " Hinge Screw
201531c	18491	" " " " " " " Nut
200040e	18491	" " " " " " Pinch Screw
276169	18494	" " " " Link
276170	18494	" " " " " 276169 with 270653
276171	18494	" " " " " Hinge Pin with 214071
244071	18494	" " " " " " " Oil Packing (wick)
200394c	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 201220c
201220c	18493	" " " " " " " " Set Screw
240231	18493	" " " " Friction Gib
350562xc	18493	" " " " " " Adjusting Screw
350562xc	18493	" " " " " " " " Set Screw

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No.	Plate	Name
276180	18493	Feed Driving Flange with 200333c, 200316c, and four 350562xc
200333c	18493	" " " " Position Screw
200316c	18493	" " " " Set Screw
270940	18491	" " Rock Shaft with two each 200394c and 270942
270941	18491	" " " " " " Centre (2)
201254c	18491	" " " " " " Set Screw (2)
270942	18491	" " " " " " Insert (nylon)
270013	18491	" Lifting Connection
270014	18491	" " " " 270013 with 270016
270015	18491	" " " " Crank with 200040e
200040e	18491	" " " " " " Pinch Screw
200545c	18491	" " " " Hinge Screw
201522c	18491	" " " " " " Nut
270016	18491	" " " " Needle Bearing
270918	18493	" " Eccentric with 200382c and 201220c
201220c	18493	" " " " Position Screw
200382c	18493	" " " " Set Screw
270943	18491	" " Rock Shaft with 52267 and two 270942
270941	18491	" " " " " " Centre (2)
201254c	18491	" " " " " " Set Screw (2)
270942	18491	" " " " " " Insert (nylon)
270140	18493	" Regulating Stud
240245	18493	" " " " Retaining Spring
270026	18493	" " " " Spring
276157	18491	" Reversing Lever with 350477c
276158	18491	" " " " Connection
201107c	18491	" " " " " " Hinge Screw (lower)
350509c	18491	" " " " " " " " (upper)
201520h	18491	" " " " " " " " " " Nut
276160	18491	" " " " Handle
200575h	18491	" " " " " " Screw
201529h	18491	" " " " " " " Nut
276159	18491	" " " " Hinge Pin
350477c	18491	" " " " " " Set Screw
276173	18491	" Mechanism Support Link with 200386c
276174	18491	" " " " " " Stud
200346c	18493	" " " " " " Set Screw
276161	18491	" Shaft
276162	18491	" " " " Bushing (back)
276179	18491	" " " " " " (front)
200382c	18491	" " " " Set Screw (2)
276163	18491	" " " " Crank with 200040e and 200386c
276164	18491	" " " " Hinge Stud with 276046
276046	18491	" " " " " " " " Oil Packing (wick)
200386c	18491	" " " " " " " " Set Screw
276165	18491	" " " " Link with 200394c
200040e	18491	" " " " " " Pinch Screw

350569 - Feed Reversing Lever Hinge Pin 10/55
 201524 - " " " " " " " " " " " "

No.	Plate	Name
276166	18494	Feed Reversing Shaft Spring
276167	18494	" " " " Adjusting Collar with two 200092f
200092f	18494	" " " " " " " " Set Screw ...
270236	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 350415f
276111	18485	" " Bushing (lower)
270855	18485	" " " " (upper)
350550al	18485	" " " " (") Set Screw
270262	18485	" " Connecting Link
270263	18485	" " " " 270262 with 270266
270264	18485	" " " " Guide Block
200054c	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
350415f	18485	" Set Screw
276116	18485	Presser Bar with 176x
276025	18485	" " Ball, $\frac{7}{32}$ in. diameter
270114	18485	" " Bushing
276117	18485	" " Lifter
350412c	18485	" " " " Hinge Screw
276028	18485	" " Lifting Releasing Lever Bracket
276029	18485	" " Position Guide with 350411c
350411c	18485	" " " " Pinch Screw
276119	18495	" " Spring

No.	Plate	Name
350435c	18495	Presser Bar Spring Screw (pressure regulating)
350499xc	18495	" " " " Stud
62527	2625	" Foot Hinge Pin
24511	2625	" " Plate
24982	2625	" " Shank
26231	2625	" " Spring
24983	2625	Presser Foot (spring hinged), complete, Nos. 24511, 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
200466h	18486	" " " " " " " " Screw
276038	18486	" " " " Grill
200138d	18486	" " " " " " " " Screw (3)
200263xc	18486	" " " " Hinge Screw
67425	18486	" " " " " " " " Spring Washer
230743c	18486	" " " " " " " " Thrust Washer
350586xc	304074f 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 1053c
270870	18379	" " 270869 with 270872, 270876 and three 1367c
270871	18379	" " 270870 with 52237
270010	18379	" " Bobbin
52235	18379	" " " " Case
52236	18379	" " " " " 52235 with 5911, 1380c and 40391
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, 40303 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
32572	18486	" " Releasing Disc

270878

Rotating Hook Driving Shaft Oil Retaining Washer (felt)

270879-

Rotating Hook Oil Guard

10/55

No.	Plate	Name
270086	18486	Tension Releasing Pin
13710	18486	" " Spring
50304e	18486	" " Stud
52098	18486	" " " " 50304e with 4560e
50305e	18486	" " " " Set Screw
276055	18486	" " Thread Guide Pin
4560e	18486	" " Thumb Nut
276049	18486	Tension, complete, Nos. 13710, 32572, 39652, 52083, 52098, 270086 and two 2102
276050	18486	Thread Cutter
200383b	18486	" " " " Screw
276051	18486	" " Guide
263118	18485	" " " " (on Needle Bar Bushing)
350503h	18486	" " " " Screw
276118	18485	" " Pull off
200445e	18485	" " " " Screw (2)
276052	18486	" " Retainer (front)
200397h	18486	" " " " (") Set Screw
270080	18486	" " " " (reat)
200366h	18486	" " " " (") Set Screw
39652	18486	" " Take up Spring
52083	18486	" " " " " " Regulator with 50305e
453xc	18486	" " " " " " Set Screw
6914	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	...	...	...	...	1/5V
	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)	...	...	...	...	...
10 55	135 x 39		Needles, six, size 16	...	...	...	...	...
	228479	18333	Drip Pan with four 3/4 in. wire nails	...	...	...	...	...
	12361	2627	Machine Hinge Connection (2)	...	...	...	...	...
	11400	2627	" Rest Pin (wood)	...	...	...	...	...
	120342	2627	Oiler (copper plated) with 120343	...	...	...	...	...
	120343	2627	" Spout (3 1/2 in. long)	...	...	...	...	...
	85318	2627	Screw Driver	...	...	...	...	...
			Tin of Oil (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 204499h	...	...	...	...	...
200082d	2624	" " Screw	...	...	...	...	...
228026	2624	" " " Washer	...	...	...	...	...
2102	2624	" Disc	...	...	...	...	...
13710	2624	" Spring	...	...	...	...	...
204499h	2624	" Stud	...	...	...	...	...

ACCESSORIES

No.	Plate	Name	
201572h	2624	Tension Stud Thumb Nut	...
225462	2624	Bobbin Winder Tension Bracket, complete, Nos. 13710, 201572h, 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 3/4" No. 12 R.H.B.	...

KNEE LIFTER

228713	18333	Rock Lever with two 350231e	...
228707	18333	" " Bracket with 200347c and three wood screws 1/2 in., No. 12	...
228709	18333	Rock Lever Bracket 228707 with 228363, 228367, 228386, 228455 and 228713	...
228370	18333	Rock Lever Extension with 200524c	10/55
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	...
200524c	18333	" " " Set Screw	...
228386	18333	" " Spring	...
228367	18333	" " Stop Stud	...
200347c	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
201528h	18362	" " Nut
228693	18362	" " Washer
225257	18362	" Rest (for two spools) (flat) with 201018c, two each 201528h, 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
201696h	18362	" " Lock Nut
225326	18362	" " Position Cup
225324	18362	" " Rod with 208a1 and 225322
208a1	18362	" " " Screw
225322	18362	" " " Washer
225258	18362	Thread Unwinder (for two spools), complete, Nos. 201696h, 225257, 225324, 225326, 225388, 259658, two each 150203, 225391 and three wood screws $\frac{1}{4}$ in. No. 12

MISCELLANEOUS PARTS

USED IN CONJUNCTION WITH

THREAD UNWINDER

No.	Plate	Name
259370	18362	Spool Pin
259378	18362	" " Arm with 217c and 259379
232896	18362	" " " Bracket with two 418a1
418a1	18362	" " " " Set Screw
418a1	18362	" " " " Set Screw
259371	18362	" " Cap (bakelite)
1010f	18362	" " " Hinge Screw
259379	18362	" " Retaining Spring
217c	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

