

**SINGER**  
**451K31**

ILLUSTRATED  
LIST OF PARTS  
FOR  
No. 451K31 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.

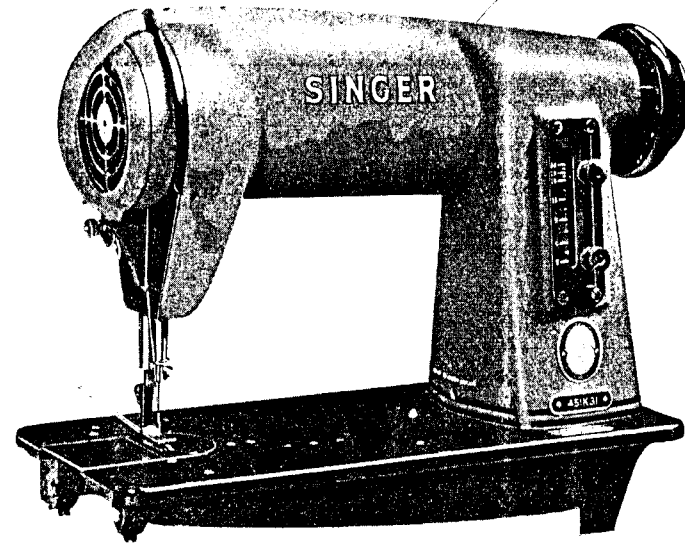
A number always indicates the same part in whatever List it may appear, or for whatever machine.

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

- A. Hardened, Polished, Nickel Plated and Buffed.
- 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). Colour 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.
- A.S. Black Moulded Phenolic.
- A.T. Beige Moulded Phenolic.
- A.U. Brown Moulded Phenolic.
- A.W. Hardened then Flame Coated with Tungsten Carbide.
- 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.

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

# LIST OF PARTS COMPLETE FOR



## MACHINE No. 451K31

SINGLE ROTARY THREAD TAKE-UP.  
HIGH SPEED. LOCK STITCH.  
SINGLE NEEDLE. DIFFERENTIAL FEED. SHORT ARM.

For Plain Stitching, continuous or intermittent gathering  
or stretching Light and Medium Weight Materials and  
Knit Goods.

No.	Plate	Name						
*276201		Arm	...	...	...	...	...	...
276002	2731	" Cover (back)	...	...	...	...	...	...
200053	2731	" " ( " ) Screw (2)	...	...	...	...	...	...
204235	2731	" Position Pin (2)	...	...	...	...	...	...
200004e	2731	" Screw (2)	...	...	...	...	...	...
350390e		" " "	...	...	...	...	...	...
202005	2731	" " Washer (3)	...	...	...	...	...	...
*276003	18475	" Shaft	...	...	...	...	...	...
276004	18475	" " 276003 with 200333e, 200378e, 270005 and 276021 to 276023	...	...	...	...	...	...
270004	18475	Arm Shaft Ball Bearing (back)	...	...	...	...	...	...
270005	18475	" " " " (front)	...	...	...	...	...	...
270926	18475	" " Connection Belt (reinforced neoprene)	...	...	...	...	...	...

No.	Plate	Name
271127	18475	Arm Shaft Connection Belt Pulley with 200363al, 350492c and two 214206
350492c	18475	" " " " Pulley Position Screw ... ..
200363al	18475	" " " " " Set Screw ... ..
214206	18475	" " " " " Spring Flange ... ..
*276202	—	Bed ... ..
270502	2731	" Slide ... ..
276054	2730	Face Plate with 276054 and four 200586h
200586h	2730	" " Thread Guard ... ..
350503alx	2730	" " " " Screw ... ..
270553	2732	Feed (back) Bar ... ..
270513	2732	" ( " ) " Hinge Pin ... ..
350101al	2732	" ( " ) " " " Set Screw ... ..
52266	2732	" ( " ) " Slide Block ... ..
52267	2732	" ( " ) " " " 52266 with 125060 ... ..
270526	2732	" ( " ) " " " Crank with 52267 and 200040e ... ..
200040e	2732	" ( " ) " " " Pinch Screw ... ..
*125060	2732	" ( " ) " " " Stud ... ..
270514	2732	" ( " ) Driving Connection ... ..
270515	2732	" ( " ) " " 270514 with 270016 ... ..
270015	2732	" ( " ) " " Crank with 200040e ... ..
200040e	2732	" ( " ) " " Pinch Screw ... ..
200545c	2732	" ( " ) " " Hinge Screw ... ..
201522e	2732	" ( " ) " " " Nut ... ..
270016	2732	" ( " ) " " Needle Bearing ... ..
270017	2729	" ( " ) " Eccentric ... ..
270517	2729	" ( " ) " " Adjusting Disc ... ..
270508	2729	" ( " ) " " " Spring ... ..
270509	2729	" ( " ) " " " " Stop Washer ... ..
201403x	2733	" ( " ) " " " " Stop Washer Screw ... ..
240231	2729	" ( " ) " " Friction Gib ... ..
350578xc	2729	" ( " ) " " " Adjusting Screw ... ..
350562xc	2729	" ( " ) " " " " Set Screw ... ..
270539	2729	" ( " ) " Flange with 200333c, 200346c, two each 350562xc and 350578c
106506	—	" ( " ) " " 270539 with 240231, 270017, 270508, 270509, 270517 and two 201403x ... ..
200333c	2729	Feed (back) Driving Flange Position Screw ... ..
200346c	2729	" ( " ) " " Set Screw ... ..
276203	2732	" ( " ) " Rock Shaft with 350101al and two 270942
106507	—	" ( " ) " " 276203 with 270513 and 270553
270941	2732	" ( " ) " " Centre (2) ... ..
201254c	2732	" ( " ) " " Set Screw (2) ... ..
270942	—	" ( " ) " " Insert (nylon) ... ..

No.	Plate	Name
270521	2729	Feed (back) Regulating Stud ... ..
270522	2729	" ( " ) " " Spring ... ..
200096c	2733	" ( " ) " " " Screw ... ..
270551	2732	" (front) Bar ... ..
270012	2732	" ( " ) " Centre (2) ... ..
200394c	2732	" ( " ) " " Set Screw ... ..
276058	2732	" ( " ) " Lubricating Felt ... ..
52266	2732	" ( " ) " Slide Block ... ..
52267	2732	" ( " ) " " 52266 with 125060 ... ..
270506	2732	" ( " ) " " Crank with 52267 and 200040e ... ..
200040e	2732	" ( " ) " " Pinch Screw ... ..
*125060	2732	" ( " ) " " Stud ... ..
270803	2732	" ( " ) Driving Connection ... ..
270804	2732	" ( " ) " " 270803 with 270016 ... ..
270555	2732	" ( " ) " " Crank with 200040e ... ..
270556	2732	" ( " ) " " 270555 with 270653 ... ..
350507c	2732	" ( " ) " " Hinge Screw ... ..
201528e	2732	" ( " ) " " " Nut ... ..
270653	2732	" ( " ) " " Needle Bearing ... ..
200040e	2732	" ( " ) " " Pinch Screw ... ..
270807	2732	" ( " ) " " Link ... ..
270808	2732	" ( " ) " " Hinge Pin ... ..
50447(200394c)	<del>2732</del>	" ( " ) " " " Set Screw ... ..
270016	2732	" ( " ) " " Needle Bearing ... ..
270557	2729	" ( " ) " Eccentric with 200382c and 201220c ... ..
201220c	2729	" ( " ) " " Position Screw ... ..
200382c	2729	" ( " ) " " Set Screw ... ..
276204	2732	" ( " ) " Rock Shaft with two each 200394c and 270942
270944	2732	" ( " ) " " Centre (2) ... ..
201254c	2732	" ( " ) " " Set Screw (2) ... ..
270942	—	" ( " ) " " Insert (nylon) ... ..
270559	2732	" ( " ) Indicator ... ..
270560	2732	" ( " ) Regulating Index Plate ... ..
691f	2732	" ( " ) " " Screw (4) ... ..
270561	2732	" ( " ) " Lever with 270559 ... ..
270562	2732	" ( " ) " " Connection with 200040e ... ..
200040e	2732	" ( " ) " " Pinch Screw ... ..
200273f	2732	" ( " ) " " Hinge Screw ... ..
350539x	2732	" ( " ) " " Stop Screw Stud (2) ... ..
201561x	2732	" ( " ) " " " Thumb Nut (2) ... ..
228032	2732	" ( " ) " " " Washer (2) ... ..
270563	2732	" ( " ) " Shaft ... ..
276205	2732	" ( " ) " " Crank with 200040e and 200386c
276206	2732	" ( " ) " " Hinge Stud with 276207
276207	—	" ( " ) " " " Oil Packing (wick)



No.	Plate	Name
200138d	2730	Rotary Take-up Guard Cover Grill Screw (3) ... ..
200263xc	2730	" " " " Hinge Screw ... ..
67425	2730	" " " " " " Spring Washer ... ..
230743c	2730	" " " " " " Thrust Washer ... ..
350586xc	2730	" " " " Screw (2) ... ..
200577al	2730	" " " " Screw (3) ... ..
276043	2730	" " " " Spacer ... ..
270868	2728	Rotating Hook with 143301, 270878 and two 1253al ... ..
270869	2728	" " 270868 with 270874xc and four 1053e ... ..
270870	2728	" " 270869 with 270872, 270876 and three 1367e ... ..
270871	2728	" " 270870 with 270939 ... ..
270010	2728	Rotating Hook Bobbin ... ..
270937	2728	" " " " Case ... ..
270938	2728	" " " " 270937 with 591f, 1380e and 40394 ... ..
40393	2728	" " " " Hinge, Nos. 2974, 40392 and 125320 ... ..
270872	2728	" " " " Holder (chromium plated) ... ..
270523	2728	" " " " " " Position Bracket ... ..
200077d	2728	" " " " " " " " Screw ... ..
40392	2728	" " " " " " Latch ... ..
125320	2728	" " " " " " Lever ... ..
2974	2728	" " " " " " Fulcrum Pin ... ..
2975	2728	" " " " " " Spring ... ..
592e	2728	" " " " " " Stop Screw ... ..
40394	2728	" " " " " " Tension Spring ... ..
591f	2728	" " " " " " " " Regulating Screw ... ..
1380e	2728	" " " " " " " " Screw ... ..
270939	2728	" " " " " " complete, Nos. 592e, 2975, 40393 and 270938 ... ..
270873	2728	" " " " " " 270939 with 270872 ... ..
276212	2729	" " " " Driving Shaft ... ..
270032	2729	" " " " " " Ball Bearing ... ..
276213	2729	" " " " " " Bushing with 276046 ... ..
276046	2729	" " " " " " " " Oil Packing (wick) ... ..
200346c	2729	" " " " " " " " Set Screw ... ..
270169	2729	" " " " " " Connection Belt Pulley with 214206 and two 200070c ... ..
200070c	2729	" " " " " " Connection Belt Pulley Set Screw ... ..
214206	2729	" " " " " " " " " " Spring ... ..
276047	2729	" " " " " " " " Flange ... ..
276047	2729	" " " " " " Gear (internal teeth) with 200382c and 201220c ... ..
201220c	2729	" " " " " " " " Position Screw ... ..
200382c	2729	" " " " " " " " Set Screw ... ..
270525	2729	" " " " " " " " Oil Lead Wire ... ..
270879	2733	" " " " Oil Guard ... ..
270038	2731	" " " " Oil Reservoir Cover ... ..
270039	2731	" " " " " " " " Gasket ... ..

No.	Plate	Name
200041x	2731	Rotating Hook Oil Reservoir Cover Screw (6) ... ..
270878	2733	" " " " Retaining Washer (felt) ... ..
143301	2728	" " " " Wick (felt) ... ..
270876	2728	" " " " Section ... ..
1367e	2728	" " " " " " Screw ... ..
1253al	2728	" " " " " " Set Screw ... ..
276059	2729	" " " " " " Shaft ... ..
270163	2729	" " " " " " Bushing ... ..
270888	2729	" " " " " " Oil Packing (wick) ... ..
200346c	2729	" " " " " " Set Screw ... ..
276060	2729	" " " " " " complete, Nos. 270044, 270163, 270164, 270888, 276059, 276062, 350498e and two 201215d ... ..
270164	2729	Rotating Hook Shaft End Bearing ... ..
201215d	2729	" " " " " " " " Screw ... ..
202423	2729	" " " " " " Oil Filter Wick ... ..
276061	2729	" " " " " " " " Holder ... ..
276062	2729	" " " " " " " " complete, Nos. 202423 and 276061 ... ..
350498e	2729	" " " " " " " " Regulating Screw ... ..
270044	2729	" " " " " " " " Thrust Washer ... ..
270874xc	2728	" " " " " " Thread Guard ... ..
1053e	2728	" " " " " " " " Screw ... ..
2102	2730	Tension Disc ... ..
276048	18478	" " Releaser (adjustable) ... ..
200132c	18478	" " " " " " Screw ... ..
32572	2730	" " Releasing Disc ... ..
270086	2730	" " " " " " Pin ... ..
13710	2730	" " Spring ... ..
50304c	2730	" " Stud ... ..
52098	2730	" " " " 50304c with 1560e ... ..
50305c	2730	" " " " Set Screw ... ..
276055	2730	" " Thread Guide Pin ... ..
1560e	2730	" " Thumb Nut ... ..
276049	2730	" " complete, Nos. 13710, 32572, 39652, 52083, 52098, 270086 and two 2102 ... ..
276050	2730	Thread Cutter ... ..
200583h	2730	" " " " " " Screw ... ..
276051	2730	" " Guide ... ..
263118	18478	" " " " (on Needle Bar Bushing) ... ..
350503ax	2730	" " " " " " Screw ... ..
276057	18478	" " Pull-off ... ..
200145c	18478	" " " " " " Screw (2) ... ..
276052	2730	" " Retainer (front) ... ..
200397h	2730	" " " " ( " ) Set Screw ... ..
270080	2730	" " " " (rear) ... ..
200366h	2730	" " " " ( " ) Set Screw ... ..

## PARTS FOR MACHINE No. 451K31

No.	Plate	Name
39652	2730	Thread Take-up Spring ... ..
52083	2730	" " " Regulator with 50305c ... ..
453xc	2730	" " " " Set Screw ... ..
270571	2733	Throat Plate (medium needle hole) for 270566 and 270567 ... ..
691f	2733	" " Screw (2) ... ..

## ACCESSORIES

No.	Plate	Name
25878	2627	Cloth Guide ... ..
50190	2627	" " Thumb Screw ... ..
12361	2627	Machine Hinge Connection (2) ... ..
41400	2627	" Rest Pin (wood) ... ..
88 × 1	---	Needles, six, size 16 ... ..
120342	2627	Oiler (copper plated) with 120343 ... ..
120343	2627	" Spout (3½ in. long) ... ..
270010	2728	Rotating Hook Bobbin (2) ... ..
270155	2729	" " Oil Reservoir Oil Gauge ... ..
120378	2627	Screw Driver (bobbin case) ... ..
85318	2627	Screw Driver ... ..
---	---	Tin of Oil (½ pint) ... ..
240566	---	Wrench ... ..
228478	18314	Drip Pan with four ¾ in. wire nails... ..

## PRESSER FOOT

(for General Work)

No.	Plate	Name
86659	---	Presser Foot Plate ... ..
86660	---	Presser Foot Shank ... ..
86661	2733	Presser Foot (hinged), Complete, Nos. 86659 and 86660 ... ..

## BOBBIN WINDER

(SWINGING AUTOMATIC, RIGHT HAND)

FOR "V" BELT DRIVE

No.	Plate	Name
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 ... ..



No.	Plate	Name
225461	2624	Tension Bracket with 201499h ... ..
200082d	2624	" " Screw ... ..
228026	2624	" " " Washer ... ..
2102	2624	" Disc ... ..
13710	2624	" Spring ... ..
201499h	2624	" Stud ... ..
201572h	2624	" " 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	" " (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 $\frac{3}{4}$ in. No. 12 R.H.B.

## KNEE LIFTER

No.	Plate	Name
228713	18311	Rock Lever with two 350231c ... ..
228707	18311	" " Bracket with 200347c and three wood screws $\frac{3}{4}$ in., No. 12
228709	18311	" " Bracket 228707, with 228363, 228367, 228386, 228455 and 228713
228370	18311	" " Extension with 200530c ... ..
350231c	18311	" " " Set Screw ... ..
228363	18311	" " Hinge Pin ... ..
228364	18311	" " Knee Plate with 350231c ... ..
228388	18311	" " " " Arm ... ..
350231c	18311	" " " " " Set Screw ... ..
350231c	18311	" " " " " Set Screw ... ..
228455	18311	" " Position Spring ... ..
228365	18311	" " Rod ... ..
200530c	18311	" " " Set Screw ... ..
228386	18311	" " Spring ... ..
228367	18311	" " Stop Stud ... ..
200347c	18311	" " " " " Set Screw ... ..
228710	18311	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 208al and 225322 ... ..
208al	18362	" " " Screw ... ..
225322	18362	" " " Washer ... ..
225258	18362	" Unwinder (for two spools), complete, Nos. 201696h, 225257, 225324, 225326, 225388, 259658, two each 150203 225391 and three wood screws $\frac{3}{4}$ in., No. 12 ... ..

## MISCELLANEOUS PARTS

### USED IN CONJUNCTION WITH THREAD UNWINDER

No.	Plate	Name
259370	18362	Spool Pin ... ..
259378	18362	" " Arm with 217e and 259379 ... ..
232896	18362	" " " Bracket with two 448al ... ..
448al	18362	" " " " Set Screw ... ..
448al	18362	" " " Set Screw ... ..
259371	18362	" " Cap (bakelite) ... ..
1010f	18362	" " Hinge Screw ... ..
259379	18362	" " Retaining Spring ... ..
217e	18362	" " " " Screw ... ..
259372	18362	" " Washer ... ..
259373	18362	" " complete, Nos. 1010f and 259370 to 259372 ... ..
60913	18362	" Weight with 60914 ... ..
60914	18362	" " Centre Pin ... ..
225377	18362	" Wire, for small spools ... ..
27739	18362	Thread Cone (wood) ... ..
225390	18362	" " Holder ... ..

