

# **SINGER**

## **460-55**

Form 21615  
(367)  
Printed in U. S. A.

LIST OF PARTS COMPLETE

FOR

460-55 MACHINE

THE SINGER COMPANY

# List of Parts Complete

for

460-55 Machine

Two Needle, Three Looper, Five Thread (simultaneously produces two thread chainstitch, Type 401 and three-thread overedge stitch, Type 504), High Speed, Low Lift, Differential Feed Machine with screwdriver adjustable Stitch Length. Regularly fitted for 2.5 M. M. spaces between needles.

<u>Part No.</u>	<u>Description</u>
165254	Auxiliary Looper
165255	Auxiliary Looper Avoid Connecting Link
165256	Auxiliary Looper Avoid Driving Arm with 141301(869)
165258	Auxiliary Looper Avoid Driving Arm Hinge Pin with 165259 and two 165260
165259	Auxiliary Looper Avoid Driving Arm Hinge Pin Oil Wick, for 165258
165260	Auxiliary Looper Avoid Driving Arm Hinge Pin Cross Oil Wick, for 165258 (2)
109795(803)	Auxiliary Looper Avoid Driving Arm Screw
141301(869)	Auxiliary Looper Avoid Driving Arm Set Screw, for 165256
165261	Auxiliary Looper Avoid Driving Arm Sleeve
109796(803)	Auxiliary Looper Avoid Driving Arm Sleeve Screw
165262	Auxiliary Looper Avoid Eccentric with two 141292(869)
141292(869)	Auxiliary Looper Avoid Eccentric Set Screw, for 165262 (2)
165264	Auxiliary Looper Avoid Eccentric Bearing
165265	Auxiliary Looper Avoid Eccentric End Washer
51302(806)	Auxiliary Looper Avoid Eccentric End Washer Securing Screw (2)
165266	Auxiliary Looper Carrier with 1083(803) and 141441(869)

List of Parts Complete for Machine No. 460-55

<u>Part No.</u>	<u>Description</u>
1083(803)	Auxiliary Looper Carrier Clamping Screw, for 165266
350606(869)	Auxiliary Looper Driving Arm Clamp Screw, for 165271
165271	Auxiliary Looper Driving Connection with 350606(869), 165273 and two each 141292(869), 141317(830), 141440(830) and 141445(830)
141317(830)	Auxiliary Looper Driving Connection Cap (lower) Screw, for 165271 (2)
141440(830)	Auxiliary Looper Driving Connection Cap (upper) Screw, for 165271 (2)
165273	Auxiliary Looper Driving Connection Locating Plate, for 165271
141445(830)	Auxiliary Looper Driving Connection Locating Plate Screw, for 165271 (2)
141292(869)	Auxiliary Looper Driving Eccentric Set Screw, for 165271 (2)
141441(869)	Auxiliary Looper Securing Screw, for 165266
165276	Auxiliary Looper Shaft with 1313(803), for 165277
165277	Auxiliary Looper Shaft 165276 with 165278 and two 165260
165260	Auxiliary Looper Shaft Cross Oil Wick, for 165277 (2)
165278	Auxiliary Looper Shaft Oil Wick, for 165277
165279	Auxiliary Looper Shaft Bushing (front)
165280	Auxiliary Looper Shaft Bushing (rear)
165281	Auxiliary Looper Shaft Position Collar with 350606(869)
350606(869)	Auxiliary Looper Shaft Position Collar Screw, for 165281
165282	Auxiliary Looper Shaft Position Spacer
1313(803)	Auxiliary Looper Shaft Screw, for 165276
165417	Chain Cutter complete, Nos. 665(809), 164861 and 165471
165471	Chain Cutter Holder, for 165417

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<u>Part No.</u>	<u>Description</u>
164861	Chain Cutter Knife, for 165417
665(809)	Chain Cutter Knife Screw, for 165417
51362(809)	Chain Cutter Screw (2)
165514	Cloth Plate, for 165292
165287	Cloth Plate Lock Spring, for 165292
219(809)	Cloth Plate Lock Spring Screw, for 165292 (2)
1250(830)	Cloth Plate Lock Spring Securing Post (screw)
51408(832)	Cloth Plate Position Bracket Screw, for 165292
1700(809)	Cloth Plate Position Bracket Screw Nut, for 165292
165290	Cloth Plate Position Collar with two 141301(869)
141301(869)	Cloth Plate Position Collar Set Screw, for 165290 (2)
165292	Cloth Plate complete, Nos. 1700(809), 51408(832), 165287, 165514 and two 219(809)
165294	Differential Feed Driving Arm
165502	Differential Feed Driving Arm Guide Plate (left)
165503	Differential Feed Driving Arm Guide Plate (right)
51408(830)	Differential Feed Driving Arm Guide Plate Securing Screw (2)
165295	Differential Feed Driving Arm Locating Plate (2)
50027(810)	Differential Feed Driving Arm Locating Plate Screw (4)
165289	Differential Feed Driving Arm Slide Block, for 165334
165297	Differential Feed Indicator Plate, for 165298
165298	Differential Feed Indicator Plate 165297 with two each 1324(809), 131695 and 165300
50073(809)	Differential Feed Indicator Plate Screw (2)

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<u>Part No.</u>	<u>Description</u>
165299	Differential Feed Lever
63(809)	Differential Feed Lever Hinge Screw
165511	Differential Feed Lever Spring
1004(809)	Differential Feed Lever Spring Post Screw
165300	Differential Feed Lever Stop Collar, for 165298 (2)
1324(809)	Differential Feed Lever Stop Collar Screw, for 165298 (2)
131695	Differential Feed Lever Stop Collar Screw Washer, for 165298 (2)
165303	Feed Bar Hinge Pin (eccentric) Collar with 141292(869)
141292(869)	Feed Bar Hinge Pin (eccentric) Collar Screw, for 165303
165301	Feed Bar Hinge Pin (eccentric) with 141292(869)
141292(869)	Feed Bar Hinge Pin (eccentric) Set Screw, for 165301
165305	Feed Bar Hinge Pin (eccentric) Positioning Pin
141292(869)	Feed Bar Hinge Pin (eccentric) Positioning Pin Set Screw
164004	Feed Bar Slide Block (back)
165135	Feed Bar Slide Block (front, right)
165306	Feed (back) Bar
165307	Feed (back) Bar Connection, for 165308
165308	Feed (back) Bar Connection 165307 with 165259, 165310 and 165311
165309	Feed (back) Bar Connection Bushing
165259	Feed (back) Bar Connection Oil Wick (long), for 165308
165310	Feed (back) Bar Connection Oil Wick (short), for 165308
165311	Feed (back) Bar Connection Oil Wick Retaining Pin, for 165308
141420(803)	Feed (back) Bar Connection Screw

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<u>Part No.</u>	<u>Description</u>
131695	Feed (back) Bar Connection Screw Washer
165313	Feed (back) Bar Driving Arm with 350606(869)
350606(869)	Feed (back) Bar Driving Arm Clamp Screw, for 165313
165315,	Feed (back) Bar Driving Arm Eccentric Stud
1550(803)	Feed (back) Bar Driving Arm Eccentric Stud Nut
17022	Feed (back) Bar Driving Arm Eccentric Stud Washer
165317	Feed (back) Bar Guide Bracket
350656(869)	Feed (back) Bar Guide Bracket Set Screw
165318	Feed (back) Dog Section (left), for 165320
165319	Feed (back) Dog Section (right), for 165320
1100(830)	Feed (back) Dog Section (right) Screw, for 165320
165320	Feed (back) Dog complete, Nos. 1100(830), 165318 and 165319
1454(806)	Feed (back) Dog Screw
165323	Feed Eccentric (adjustable) End Washer, for 165343
51302(806)	Feed Eccentric (adjustable) End Washer Securing Screw, for 165343 (3)
350656(869)	Feed Eccentric (adjustable) Set Screw, for 165343
165324	Feed Eccentric (adjustable) Slide Bearing, for 165343
51145(803)	Feed Eccentric (adjustable) Slide Journal Adjusting Screw, for 165343
1445(803)	Feed Eccentric (adjustable) Slide Journal Locking Screw, for 165343
165326	Feed (front) Bar
165327	Feed (front) Bar Connection, for 165328
165328	Feed (front) Bar Connection 165327 with 165259, 165330 and two 165311

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<u>Part No.</u>	<u>Description</u>
165329	Feed (front) Bar Connection Bushing
165259	Feed (front) Bar Connection Oil Wick (long), for 165328
165330	Feed (front) Bar Connection Oil Wick (short), for 165328
165311	Feed (front) Bar Connection Oil Wick Retaining Pin, for 165328 (2)
141421(803)	Feed (front) Bar Connection Screw
131695	Feed (front) Bar Connection Screw Washer
165331	Feed (front) Bar Driving Arm with 350606(869), for 165334
350606(869)	Feed (front) Bar Driving Arm Clamp Screw, for 165331
165333	Feed (front) Bar Driving Arm Slide Block, for 165334
165334	Feed (front) Bar Driving Arm Slide Block 165333 with 141434(830), 165289, 165331, 165335, 165336 and 165472
165335	Feed (front) Bar Driving Arm Slide Block (adjustable) Shoe, for 165334
165336	Feed (front) Bar Driving Arm Slide Block (adjustable) Shoe Eccentric, for 165334
141434(830)	Feed (front) Bar Driving Arm Slide Block (adjustable) Shoe Eccentric Clamping Screw, for 165334
165472	Feed (front) Bar Driving Arm Slide Block Lifting Stud Retainer, for 165334
165338	Feed (front) Bar Wearing Plate
1094(806)	Feed (front) Bar Wearing Plate Screw
165339	Feed (front) Dog
1454(806)	Feed (front) Dog Screw
165340	Feed Driving Arm with 350606(869), for 165343
350606(869)	Feed Driving Arm Clamp Screw, for 165340
165342	Feed Driving Arm Connection with 141301(869), for 165343



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<u>Part No.</u>	<u>Description</u>
165343	Feed Driving Arm Connection 165342 with 1445(803), 51145(803), 165323, 165324, 165340, 165345, two 350656(869) and three 51302(806)
141301(869)	Feed Driving Arm Connection Set Screw, for 165342
165344	Feed Driving Arm Hinge Pin, for 165345
165345	Feed Driving Arm Hinge Pin 165344 with 165259 and two 165346, for 165343
165346	Feed Driving Arm Hinge Pin Cross Oil Wick, for 165345 (2)
165259	Feed Driving Arm Hinge Pin Oil Wick, for 165345
165347	Feed Driving Shaft, for 165348
165348	Feed Driving Shaft 165347 with 165350 and two 165349
165349	Feed Driving Shaft Cross Oil Wick, for 165348 (2)
165350	Feed Driving Shaft Oil Wick, for 165348
165290	Feed Driving Shaft Position Collar with two 141301(869)
141301(869)	Feed Driving Shaft Position Collar Set Screw, for 165290 (2)
165351	Feed Driving Shaft Bushing (left)
165352	Feed Driving Shaft Bushing (right)
165136	Feed Lifting and Knife (movable) Eccentric
164550	Knife (movable)
164027	Knife (movable) Clamp
141422(832)	Knife (movable) Clamp Screw
165291	Knife (movable) Guard (lower)
165513	Knife (movable) Guard (stationary)
227(809)	Knife (movable) Guard (stationary) Screw
165487	Knife (movable) Guard (upper)

List of Parts Complete, for Machine No. 460-55

<u>Part No.</u>	<u>Description</u>
164029-003	Knife (movable) Holder
141423(809)	Knife (movable) Holder Screw
164030	Knife (movable) Holder Screw Bearing
165353	Knife (movable) Holder Spacer
82256	Knife (movable) Hinged Cover Hinge, for 165355
82257	Knife (movable) Hinged Cover Pin, for 165355
165355	Knife (movable) Hinged Cover with 82256 and 82257, for 165359
82259	Knife (movable) Hinged Cover Spring, for 165359
50318(809)	Knife (movable) Hinged Cover Screw, for 165359 (2)
165356	Knife (movable) Lever with 109927(869), for 165358
165358	Knife (movable) Lever 165356 with 82271, 132583, 164035 and 165456
164032	Knife (movable) Lever Bearing
1036(830)	Knife (movable) Lever Bearing Set Screw
82274	Knife (movable) Lever Cover and Presser Bar (upright) Housing with 460(830), for 165359
50073(809)	Knife (movable) Lever Cover and Presser Bar (upright) Housing Screw (2)
165359	Knife (movable) Lever Cover and Presser Bar (upright) Housing 82274 with 82259, 165355 and two 50318(809), for 165360
165360	Knife (movable) Lever Cover and Presser Bar (upright) Housing complete, Nos. 50060(810), 164137, 164138, 164139, 164142, 164194, 164416, 165359, 165421 and 165459
82337	Knife (movable) Lever Guide, for 82340
82338	Knife (movable) Lever Guide and Needle Thread Bridge Bracket
1423(809)	Knife (movable) Lever Guide and Needle Thread Bridge Bracket Screw, for 82340

List of Parts Complete, for Machine No. 460-55

<u>Part No.</u>	<u>Description</u>
82339	Knife (movable) Lever Guide and Needle Thread Bridge Eyelet for 82340
1423(809)	Knife (movable) Lever Guide and Needle Thread Eyelet Screw, for 82340
460(830)	Knife (movable) Lever Guide Thread Tube Set Screw, for 82340
82340	Knife (movable) Lever Guide 82337 with 460(830), 82338, 82339, 164182 and two 1423(809)
164182	Knife (movable) Lever Guide Holder Thread Tube, for 82340
447(830)	Knife (movable) Lever Guide Holder Thread Tube Set Screw (machine frame end)
132583	Knife (movable) Lever Hinge Pin with 132584, for 165358
132584	Knife (movable) Lever Hinge Pin Oil Wick, for 132583
109927(869)	Knife (movable) Lever Hinge Pin Set Screw, for 165356
164034	Knife (movable) Lever Hinge Stud, for 164035
164035	Knife (movable) Lever Hinge Stud 164034 with 164036 and 164269, for 165358
164036	Knife (movable) Lever Hinge Stud Oil Wick (long), for 164035
101844	Knife (movable) Lever Hinge Stud Oil Wick (long) Protection Sleeve
164269	Knife (movable) Lever Hinge Stud Oil Wick (short), for 164035
447(830)	Knife (movable) Lever Hinge Stud Set Screw (back)
1143(830)	Knife (movable) Lever Hinge Stud Set Screw (top)
164728	Knife (stationary)
164744	Knife (stationary) Clamping Gib, for 165362
50650(832)	Knife (stationary) Clamping Gib Screw, for 165362
165510	Knife (stationary) Holder, for 165361

List of Parts Complete, for Machine No. 460-55

<u>Part No.</u>	<u>Description</u>
165361	Knife (stationary) Holder (adjustable) complete, Nos. 141444(830), 164745 and 165510, for 165362
165362	Knife (stationary) Holder (adjustable) with Gib complete, Nos. 50650(832), 164744 and 165361
164590	Knife (stationary) Holder Adjusting Stud
190(805)	Knife (stationary) Holder Adjusting Stud Cap Screw
39541	Knife (stationary) Holder Adjusting Stud Cap Screw Washer
164745	Knife (stationary) Holder Body with two 50611(803), for 165361
50611(803)	Knife (stationary) Holder Position Screw, for 164745 (2)
141444(830)	Knife (stationary) Holder Screw, for 165361
164042	Knife (stationary) Holder Sleeve
140088(805)	Knife (stationary) Holder Sleeve Screw
175032	Knife (stationary) Holder Sleeve Screw Washer
164043	Knife (stationary) Holder Spring
164525	Knife (stationary) Holder Spring Stud
164462	Lint Stripper with 109935(830) (2)
109935(830)	Lint Stripper Screw, for 164462 (2)
87025	Looper (left hand)
164046	Looper (left hand) Carrier with 460(830), 50379(806) and 164202, for 164661
165363	Looper (left hand) Carrier Access Plate
691(805)	Looper (left hand) Carrier Access Plate Screw (2)
165504	Looper (left hand) Carrier Access Plate Taper Pin (2)
164660	Looper (left hand) Carrier Holder with 1083(803), 140393(830) and 140596(830), for 164661
164661	Looper (left hand) Carrier Holder 164660 with 1324(830), 59456 and 164046

List of Parts Complete, for Machine No. 460-55

<u>Part No.</u>	<u>Description</u>
1083(803)	Looper (left hand) Carrier Holder Clamping Screw, for 164660
140596(830)	Looper (left hand) Carrier Holder Set Screw (left), for 164660
140393(830)	Looper (left hand) Carrier Holder Set Screw (right), for 164660
1324(830)	Looper (left hand) Carrier Screw, for 164661
460(830)	Looper (left hand) Carrier Screw Set Screw, for 164046
59456	Looper (left hand) Carrier Holder Washer, for 164661
164048	Looper (left hand) Driving Shaft
164049	Looper (left hand) Driving Shaft Bushing (back)
95784	Looper (left hand) Driving Shaft Bushing (front)
164051	Looper (left hand) Driving Shaft Crank with 1083(803), for 93552
1083(803)	Looper (left hand) Driving Shaft Crank Clamping Screw, for 164051
93552	Looper (left hand) Driving Shaft Crank Connection with 164051, 164093 and two each 109925(830) and 140159(830), for 165397
109925(830)	Looper (left hand) Driving Shaft Crank Connection Cap (lower) Screw, for 93552 (2)
140159(830)	Looper (left hand) Driving Shaft Crank Connection Cap (upper) Screw, for 93552 (2)
164067	Looper (left hand) Driving Shaft Crank Key
1324(830)	Looper (left hand) Driving Shaft Crank Key Screw
45057	Looper (left hand) Driving Shaft Crank Key Screw Washer
164053	Looper (left hand) Driving Shaft Crank Thrust Bearing
164739	Looper (left hand) Driving Shaft Oil Ring (rubber)
164740	Looper (left hand) Driving Shaft Oil Ring Spacer
50379(806)	Looper (left hand) Set Screw, for 164046

List of Parts Complete, for Machine No. 460-55

<u>Part No.</u>	<u>Description</u>
164202	Looper (left hand) Stop Pin, for 164046
87027	Looper (right hand)
165364	Looper (right hand) Carrier Connecting Link, for 165366
141425(803)	Looper (right hand) Carrier Connecting Link Adjusting Screw
440(830)	Looper (right hand) Carrier Connecting Link Adjusting Screw Stop Screw
1700(809)	Looper (right hand) Carrier Connecting Link Adjusting Screw Stop Screw Nut
165365	Looper (right hand) Carrier Connecting Link Adjusting Sleeve
721(803)	Looper (right hand) Carrier Connecting Link Adjusting Sleeve Stop Screw
165283	Looper (right hand) Carrier Connecting Link Adjusting Sleeve Stop Screw (nut), for 165515
165515	Looper (right hand) Carrier Connecting Link Adjusting Sleeve Stop Screw (nut) 165283 with 665(803) and 165489
165489	Looper (right hand) Carrier Connecting Link Adjusting Sleeve Stop Screw (nut) Spring Clip, for 165515
665(803)	Looper (right hand) Carrier Connecting Link Adjusting Sleeve Stop Screw (nut) Spring Clip Screw, for 165515
101787	Looper (right hand) Carrier Connecting Link Hinge Pin (upper), for 165366
132584	Looper (right hand) Carrier Connecting Link Hinge Pin Oil Wick, for 165367 and 165368 (2)
109927(869)	Looper (right hand) Carrier Connecting Link Hinge Pin Set Screw, for 165366 (2)
1083(803)	Looper (right hand) Driving Lever Clamping Screw, for 165366
140596(830)	Looper (right hand) Driving Lever Clamping Screw, for 165367 and 165368 (2)
165366	Looper (right hand) Four-Bar Linkage (Sub-Assembly) with 1083(803), 101787, 165364 and two 109927(869), for 165367 and 165368

List of Parts Complete, for Machine No. 460-55

<u>Part No.</u>	<u>Description</u>
165367	Looper (right hand) Four-Bar Linkage Mechanism complete, Nos. 165366 and two each 132584 and 140596(830)
165368	Looper (right hand) Driving Lever complete, Nos. 1700(809), 164068, 165366 and two each 132584 and 140596(830)
164063	Looper (right hand) Driving Shaft
164049	Looper (right hand) Driving Shaft Bushing (back)
140394(805)	Looper (right hand) Driving Shaft Bushing (back) Cap Screw
164293	Looper (right hand) Driving Shaft Bushing (back) Cap Screw Washer
95785	Looper (right hand) Driving Shaft Bushing (front)
164066	Looper (right hand) Driving Shaft Crank with 1083(803), for 93553
1083(803)	Looper (right hand) Driving Shaft Crank Clamping Screw, for 164066
93553	Looper (right hand) Driving Shaft Crank Connection with 164066, 164093 and two each 109925(830) and 140159(830), for 165397
109925(830)	Looper (right hand) Driving Shaft Crank Connection Cap (lower) Screw, for 93553 (2)
140159(830)	Looper (right hand) Driving Shaft Crank Connection Cap (upper) Screw, for 93553 (2)
164067	Looper (right hand) Driving Shaft Crank Key
1324(803)	Looper (right hand) Driving Shaft Crank Key Screw
45057	Looper (right hand) Driving Shaft Crank Key Screw Washer
164053	Looper (right hand) Driving Shaft Crank Thrust Bearing
164739	Looper (right hand) Driving Shaft Oil Ring (rubber)
164740	Looper (right hand) Driving Shaft Oil Ring Spacer
164068	Looper (right hand) Locking Screw Stud, for 165368

List of Parts Complete, for Machine No. 460-55

<u>Part No.</u>	<u>Description</u>
1700(809)	Looper (right hand) Locking Screw Stud Nut, for 165368
164219	Looper (right hand) Position Collar with 904(830)
904(830)	Looper (right hand) Position Collar Set Screw, for 164219
165518	Machine Frame Bottom Cover
101858	Machine Frame Bottom Cover Gasket
157(803)	Machine Frame Bottom Cover Screw (13)
165373	Machine Frame End Cover Dowel Pin (2)
165374	Machine Frame End Cover Oil Plug
350687(869)	Machine Frame End Cover Screw (6)
165490	Machine Frame Front Cover (Color Code 728)
165492	Machine Frame Front Cover Hinge Pin, for 165498
163003	Machine Frame Front Cover Hinge Pin Securing Pin (roll pin), for 165498
165494	Machine Frame Front Cover Hinge Pin Spring, for 165498
50556(810)	Machine Frame Front Cover Hinge Pin Stop Screw, for 165498
1550(809)	Machine Frame Front Cover Hinge Pin Stop Screw Nut, for 165498
165495	Machine Frame Front Cover Hinge Tray, for 165498 (Color Code 728)
165498	Machine Frame Front Cover Hinge Tray with Front Cover complete, Nos. 1550(809), 50556(810), 163003, 165490, 165492, 165494 and 165495
50571(810)	Machine Frame Front Cover Hinge Tray Screw (long)
1454(810)	Machine Frame Front Cover Hinge Tray Screw (short)
165499	Machine Frame Front Cover Shield (Color Code 728)
1094(809)	Machine Frame Front Cover Shield Screw



List of Parts Complete, for Machine No. 460-55

<u>Part No.</u>	<u>Description</u>
165395	Machine Frame Oil Drain Plate
165384	Machine Frame Oil Drain Plate Screen
165519	Machine Frame Oil Drain Plate Filter (felt)
1454(830)	Machine Frame Oil Drain Plate Screw (2)
165370	Machine Frame Oil Hole Plug (2)
82297	Machine Frame Oil Lead
140088(813)	Machine Frame Oil Lead Screw
39541	Machine Frame Oil Lead Screw Washer
1698(809)	Machine Frame Oil Lead Screw Nut
101795	Machine Frame Oil Lead Tube Support
165521	Machine Frame Oil Pad (felt)
165522	Machine Frame Oil Sight Gauge (lucite)
165386	Machine Frame Oil Splash Cover (bottom)
50163(803)	Machine Frame Oil Splash Cover (bottom) Support (back) Screw (2)
1094(806)	Machine Frame Oil Splash Cover (bottom) Support (front) Screw
165389	Machine Frame Oil Splash Cover (top)
140394(830)	Machine Frame Oil Splash Cover (top) Access Screw
691(830)	Machine Frame Oil Splash Cover (top) Screw (2)
165392	Machine Frame Oil Splash Guard (top)
50123(818)	Machine Frame Oil Splash Guard (top) Screw (2)
165153	Machine Frame Oil Tube (upper) for 165185
165185	Machine Frame Oil Tube (upper) 165153 with 165154
165154	Machine Frame Oil Tube Wick, for 165185

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<u>Part No.</u>	<u>Description</u>
624(830)	Machine Frame Oil Tube Set Screw
165396	Machine Frame Rotary Shaft with 165405 and five 165402
165397	Machine Frame Rotary Shaft with 93552, 93553, 139026, 164096, 164100, 164217, 165404, 165405, 165474, two each 98930, 165520 and five 165402
139026	Machine Frame Rotary Shaft Ball Bearing, for 165397
165238	Machine Frame Rotary Shaft Ball Bearing Housing
165239	Machine Frame Rotary Shaft Ball Bearing Housing Gasket
51369(803)	Machine Frame Rotary Shaft Ball Bearing Housing Screw (3)
164093	Machine Frame Rotary Shaft Ball Sleeve (two pieces), for 93552
98930	Machine Frame Rotary Shaft Ball Sleeve Guide, for 165397 (2)
165399	Machine Frame Rotary Shaft Bearing (left)
165400	Machine Frame Rotary Shaft Bearing (left) Cover (Color Code 728)
691(809)	Machine Frame Rotary Shaft Bearing (left) Cover Securing Screw (2)
165401	Machine Frame Rotary Shaft Bearing (left) Cover Gasket
165170	Machine Frame Rotary Shaft Bushing (front)
1036(830)	Machine Frame Rotary Shaft Bushing (front) Set Screw
165474	Machine Frame Rotary Shaft Bushing (intermediate), for 165397
165240	Machine Frame Rotary Shaft Bushing (intermediate) Oil Screen
1036(830)	Machine Frame Rotary Shaft Bushing (intermediate) Set Screw
164096	Machine Frame Rotary Shaft Counterbalance with 1036(830), for 165397
1036(830)	Machine Frame Rotary Shaft Counterbalance Set Screw, for 164096
165402	Machine Frame Rotary Shaft Cross Oil Wick, for 165396 and 165397 (5)

List of Parts Complete, for Machine No. 460-55

<u>Part No.</u>	<u>Description</u>
165403	Machine Frame Rotary Shaft Extension
165404	Machine Frame Rotary Shaft Key, for 165397
164098	Machine Frame Rotary Shaft Oil and Ball Bearing Grease Retainer
165405	Machine Frame Rotary Shaft Oil Wick, for 165396 and 165397
164099	Machine Frame Rotary Shaft Screw Stud
164100	Machine Frame Rotary Shaft Thrust Bearing, for 165397
164101	Machine Frame Top Cover, for 81389-002
81389-002	Machine Frame Top Cover 164101 with 330(809), 81226-002 and two 164418
164102	Machine Frame Top Cover Gasket
81226-002	Machine Frame Top Cover Oil Lead, for 81389-002
330(809)	Machine Frame Top Cover Oil Lead Screw, for 81389-002
51369(809)	Machine Frame Top Cover Screw (2)
165406	Machine Frame Wearing Plate (inside)
691(803)	Machine Frame Wearing Plate (inside) Screw (2)
624(830)	Machine Frame Wearing Plate (outside) Screw (2)
165486	Machine Frame Wearing Plate (outside)
164231	Machine Pulley with two 448(830)
164071	Machine Pulley Cap
140416(841)	Machine Pulley Cap Screw
448(830)	Machine Pulley Set Screw, for 164231 (2)
-----	Needle-Catalog No. 1432, Size 14
-----	Needle-Catalog No. 6508, Size 14

List of Parts Complete, for Machine No. 460-55

<u>Part No.</u>	<u>Description</u>
165407	Needle Driving Shaft with two each 190(805), 93505 and 141247(869)
82310	Needle Driving Shaft Bushing
82311	Needle Driving Shaft Bushing Cap
109876(805)	Needle Driving Shaft Bushing Locating Screw
164114	Needle Driving Shaft Crank with 1083(803) and two 140596(830), for 164217
164115	Needle Driving Shaft Crank Ball, for 164217
1083(803)	Needle Driving Shaft Crank Clamping Screw, for 164114
164217	Needle Driving Shaft Crank Connection with 164114, 164115, and two each 157(830) and 171(830), for 165397
157(830)	Needle Driving Shaft Crank Connection Cap (lower) Screw, for 164217 (2)
171(830)	Needle Driving Shaft Crank Connection Cap (upper) Screw, for 164217 (2)
140596(830)	Needle Driving Shaft Crank Set Screw, for 164114 (2)
190(805)	Needle Driving Shaft Needle Clamping Plate Screw, for 165407 (2)
165408	Needle Guard (auxiliary needle)
165412	Needle Guard (overedge needle) Body with 141247(869)
141247(869)	Needle Guard (overedge needle) Body Set Screw, for 165412
350656(869)	Needle Guard Screw
141247(869)	Needle Securing Screw, for 165407 (2)
93505	Needle Stop Pin, for 165407 (2)
165520	Oil Agitator, for 165397 (2)
165414	Oil Cooler with 164125 and 165416
101804	Oil Cooler Cover with 164135, for 101805

List of Parts Complete, for Machine No. 460-55

<u>Part No.</u>	<u>Description</u>
101805	Oil Cooler Cover 101804 with 101806
101806	Oil Cooler Cover Gasket, for 101805
145(809)	Oil Cooler Cover Screw
165415	Oil Cooler Gasket
165416	Oil Cooler Oil Pipe (outlet, left), for 165414
164125	Oil Cooler Oil Pipe (outlet, right), for 165414
51139(809)	Oil Cooler Screw (long) (2)
157(803)	Oil Cooler Screw (short)
164135	Oil Cup, for filling machine, for 101804
82271	Presser Bar Bracket, for 165358
164137	Presser Bar Lifting Bracket with 462(830), 624(830) and 51846, for 165360
51846	Presser Bar Lifting Bracket Roller and Stud, for 164137
624(830)	Presser Bar Lifting Bracket Set Screw (long), for 164137
462(830)	Presser Bar Lifting Bracket Set Screw (short), for 164137
164138	Presser Bar Lifting Lever, for 165360
164139	Presser Bar Lifting Lever Spring, for 165360
109898(803)	Presser Bar Lifting Lever Stop Screw
1637(819)	Presser Bar Lifting Lever Stop Screw Nut
165419	Presser Bar (swing-out)
164141	Presser Bar (swing-out) Lifting Screw Stud
1700(809)	Presser Bar (swing-out) Lifting Screw Stud Nut
164142	Presser Bar (swing-out) Opening Lever, for 165360
50060(810)	Presser Bar (swing-out) Opening Lever Hinge Screw, for 165360

List of Parts Complete, for Machine No. 460-55

<u>Part No.</u>	<u>Description</u>
140510(803)	Presser Bar (swing-out) Pivot Screw
164351(809)	Presser Bar (swing-out) Pivot Screw Locking Plate
51362(830)	Presser Bar (swing-out) Pivot Screw Locking Plate Screw
165421	Presser Bar (upright), for 165360
164144	Presser Bar (upright) Spring
164416	Presser Bar (upright) Spring (heavy), for 165360
	Note: No. 164416 is regularly furnished with machine.
165422	Presser Foot Body, for 165431
165423	Presser Foot Body Guide Plate, for 165431
240(809)	Presser Foot Body Guide Plate Screw, for 165431
165424	Presser Foot Clamp (swivel) with 141441(869), for 165431
141441(869)	Presser Foot Clamp (swivel) Clamp Screw, for 165424
141435(803)	Presser Foot Clamp (swivel) Screw, for 165431
165427	Presser Foot Extension (hinged), for 165431
141436(803)	Presser Foot Extension (hinged) Screw, for 165431
53663(803)	Presser Foot Extension (hinged) Screw Nut, for 165431
165429	Presser Foot Extension (hinged) Spring, for 165431
165430	Presser Foot Spring, for 165431
50111(809)	Presser Foot Spring Screw, for 165431
165431	Presser Foot complete, Nos. 240(809), 50111(809), 53663(803), 141435(803), 141436(803), 165422, 165423, 165424, 165427, 165429 and 165430
164194	Pressure Regulating Thumb Screw, for 165360
2102	Tension (heavy) Disc, for 164162 (6)

List of Parts Complete, for Machine No. 460-55

<u>Part No.</u>	<u>Description</u>
164155	Tension (heavy) Regulating Thumb Nut, for 164156 (3)
50133(803)	Tension (heavy) Screw Stud, for 165156 (3)
1700(809)	Tension (heavy) Screw Stud Nut, for 164630 (2)
164156	Tension (heavy) Screw Stud 50133(803) and 164155, for 164162 (3)
164161	Tension (heavy) Spring, for 164162 (3)
59537	Tension (heavy) Spring Bushing, for 164162 (3)
164158	Tension (heavy) Spring Cover, for 164162 (3)
164162	Tension (heavy) complete, Nos. 59537, 164156, 164158, 164161 and two 2102 (3)
2102	Tension (light) Disc, for 164160 (2)
164155	Tension (light) Regulating Thumb Nut, for 164156
50133(803)	Tension (light) Screw Stud, for 164156
164156	Tension (light) Screw Stud 50133(803) with 164155, for 164160
164157	Tension (light) Spring, for 164160
59537	Tension (light) Spring Bushing, for 164160
164158	Tension (light) Spring Cover, for 164160
164160	Tension (light) complete, Nos. 59537, 164156, 164157, 164158 and two 2102
164285	Tension (looper thread) Thread Guide (left)
164286	Tension (looper thread) Thread Guide (right)
164418	Tension Thread Eyelet, for 81389-002 (2)
164628	Tension Thread Guide (double), for 164630
1143(830)	Tension Thread Guide Spacing Block Screw (2)
165524	Tension Thread Guide Spacing Block

List of Parts Complete, for Machine No. 460-55

<u>Part No.</u>	<u>Description</u>
164630	Tension (double) complete, Nos. 164628 and two each 1700(809) and 164162
165432	Tension (auxiliary looper) complete, Nos. 418(809), 1562(809), 165433 and two 2455
2455	Tension (auxiliary looper) Disc, for 165432 (2)
1562(809)	Tension (auxiliary looper) Regulating Thumb Nut, for 165432
418(809)	Tension (auxiliary looper) Screw Stud, for 165432
165433	Tension (auxiliary looper) Spring, for 165432
165434	Thread (auxiliary looper) Tension Guide Bracket
165436	Thread (auxiliary looper) Thread Controller with two 141247(869)
141247(869)	Thread (auxiliary looper) Thread Controller Set Screw, for 165436
165440	Thread (auxiliary looper) Thread Controller Bracket, for 165516
165516	Thread (auxiliary looper) Thread Controller Bracket 165440 with 165442 and two 1208(809)
165442	Thread (auxiliary looper) Thread Controller Bracket Spring, for 165516
1208(809)	Thread (auxiliary looper) Thread Controller Bracket Spring Screw, for 165516 (2)
190(809)	Thread (auxiliary looper) Thread Controller Bracket and Machine Frame Rotary Shaft Bearing (left) Cover Fastening Screw (2)
165444	Thread (auxiliary looper) Thread Eyelet (front)
1094(809)	Thread (auxiliary looper) Thread Eyelet (front) Screw
165445	Thread (auxiliary looper) Thread Guide (rear)
165446	Thread (auxiliary looper) Thread Guide (rear) Bracket
1094(809)	Thread (auxiliary looper) Thread Guide (rear) Bracket Screw
165447	Thread (auxiliary looper) Thread Guide (rear) Post
1423(809)	Thread (auxiliary needle) Thread Controller (intermediate) Screw



List of Parts Complete, for Machine No. 460-55

<u>Part No.</u>	<u>Description</u>
165448	Thread (auxiliary needle) Thread Controller (intermediate) with 1443(809)
165449	Thread (auxiliary needle) Thread Controller (left)
1443(809)	Thread (auxiliary needle) Thread Controller (left) Screw, for 165448
165450	Thread (auxiliary needle) Thread Controller (right)
202(809)	Thread (auxiliary needle) Thread Controller (right) Screw
165451	Thread (auxiliary needle) Bridge Eyelet
175032	Thread (auxiliary needle) Bridge Eyelet Washer
165452	Thread (auxiliary needle) Tube
1698(809)	Thread (auxiliary needle) Tube nut
165453	Thread (looper, left hand) Guide (top)
350656(869)	Thread (looper, left hand) Guide (top) Securing Screw
164091	Thread (looper, right hand) Stripper and Take-up with 164555
164163	Thread (looper, right hand) Stripper and Take-up Eyelet (adjustable), for 165455
1443(809)	Thread (looper, right hand) Stripper and Take-up Eyelet (adjustable) Screw, for 165455
164555	Thread (looper, right hand) Stripper and Take-up Guide Wire, for 164091
187(805)	Thread (looper, right hand) Stripper and Take-up Screw
17022	Thread (looper, right hand) Stripper and Take-up Screw Washer
164449	Thread (looper, right hand) Thread Eyelet (movable), for 165455
1423(809)	Thread (looper, right hand) Thread Eyelet Screw, for 165455
164165	Thread (looper, right hand) Thread Eyelet (stationary), for 165455
1607(809)	Thread (looper, right hand) Thread Eyelet (stationary) Nut, for 165455

List of Parts Complete, for Machine No. 460-55

<u>Part No.</u>	<u>Description</u>
164166	Thread (looper, right hand) Tube, for 165455
624(830)	Thread (looper, right hand) Tube Set Screw, for 165505
165505	Thread (looper) Plate with 624(830), for 165455
896(830)	Thread (looper) Plate Screw (2)
165454	Thread (looper) Plate Thread Bushing, for 165455
50318(818)	Thread (looper) Plate Thread Bushing Screw, for 165455
165500	Thread (looper) Plate (left hand) Thread Tube (intermediate)
165446	Thread (looper) Plate (left hand) Thread Tube (intermediate) Bracket
1094(809)	Thread (looper) Plate (left hand) Thread Tube (intermediate) Bracket Screw
165455	Thread (looper) Plate complete, Nos. 1423(809), 1443(809), 1607(809), 50318(818), 164163, 164165, 164166, 164449, 165454 and 165505
164175	Thread (looper) Take-up (left)
164176	Thread (looper) Take-up Plate
190(805)	Thread (looper) Take-up Screw (lower)
1443(809)	Thread (looper) Take-up Screw (upper)
82269	Thread (needle) Controller
165456	Thread (needle) Controller Lever, for 165358
1443(809)	Thread (needle) Controller Screw
165459	Thread Eyelet (needle thread), for 165360
460(830)	Thread Eyelet (needle thread) Set Screw, for 82274
165461	Throat Plate
1094(806)	Throat Plate Screw (2)
228485	Number Plate Rivet (2)

FITTINGS FOR 5 M. M. SPACE BETWEEN NEEDLES

460-55 Machine

<u>Part No.</u>	<u>Description</u>
165463	Feed (back) Dog Section (left), for 165464
165319	Feed (back) Dog Section (right), for 165464
1100(830)	Feed (back) Dog Section (right) Screw, for 165464
165464	Feed (back) Dog complete, Nos. 1100(830), 165319 and 165463
165465	Feed (front) Dog
165466	Needle Driving Shaft with two each 50152(805), 93505 and 141247(869)
50152(805)	Needle Driving Shaft Needle Clamping Plate Screw, for 165466 (2)
165468	Presser Foot Body, for 165469
165469	Presser Foot complete, Nos. 240(819), 50111(809), 53663(803), 141435(803), 141436(803), 165423, 165424, 165427, 165429, 165430 and 165468
165470	Throat Plate

PARTS REQUIRED FOR TWO-THREAD OVEREDGING

165508	Thread (overedge) Needle Thread Controller
227(803)	Thread (overedge) Needle Thread Controller Screw

ACCESSORIES

(Supplied with Machine)

460-55

<u>Part No.</u>	<u>Description</u>
13-21491	Caution Tag
81440	Key, for 1/16" Allen Head Screws
-----	Key, for No. 8-32 Allen Head Screws
-----	Key, for No. 10-32 Allen Head Screws
164550	Knife (movable)
164728	Knife (Stationary)
-----	Needle-Catalog No. 1432, Size 14 (6)
-----	Needle-Catalog No. 6508, Size 14 (6)
120343	Oiler Spout (3-1/2" long), for 120342
120342	Oiler (copper plated) complete with Spout 120343
13-21492	Operator's Guide
164198	Presser Bar Lifting Chain Spring (under table)
161294	Screwdriver (plastic handle) (large)
81350-011	Tin of Oil (1 pint Type "H")
82332	Thread (looper, right hand) Thread Eyelet (movable)
164196	Threader (6)
164204	Tweezer
164197	Wrench (socket)
10875	Wrench (flat)
68547	Wrench (flat)

## BELT GUARD

(Supplied with Machine)

460-55

<u>Part No.</u>	<u>Description</u>
93905	Belt Guard, for 93906
164200	Belt Guard Bracket, for 93906 (2)
51326(809)	Belt Guard Bracket Screw, for 93906 (2)
-----	Belt Guard Bracket Screw (wood) (3/4" No. 7 F.H.), for 93906
93906	Belt Guard complete, Nos. 93905, two each 51326(809), 164200 and wood Screws 3/4" No. 7 F.H.

## CHIP CHUTE

(Supplied only when specified on order at no extra charge for all Territories except U. S. A. and Canada. Regularly supplied for U. S. A. and Canada at no extra charge)

168198            Chip Chute with four wood screws 3/8" No. 6 R. H. (blacked)

## FOOT LIFTER PARTS

(Supplied with Machine)

NOTE: As the stands recommended for this machine include a Foot Lifter Treadle, only Chain 6439 will be sent with this machine. If fitted to a stand or other equipment which does not include a Foot Lifter Treadle, orders should state that Treadle 4885 is required and it will be furnished without charge.

6439	Chain 36 in. to 45 in. with 56864 and 56865
	Note: When ordering No. 6439, give length required.
4879	Chain Connecting Link
56864	Chain Hook (large)
56865	Chain Hook (small)
4881	Treadle
4882	Treadle Shaft
4883	Treadle Spring
4884	Treadle Stand
4885	Treadle complete, Nos. 4879, 4881, 4882, 4883, 4884, and two wood screws 1 in. No. 16 F.H.

## GAUGES

(Only supplied when specified on order at an extra charge)

<u>Part No.</u>	<u>Description</u>
165517	Gauge (for setting Feed Dog Height, also Loopers in relation to needle)
165246	Looper (left hand) Shaft Positioning Stud, for 165253
165247	Looper (left hand) Shaft Positioning Stud Collar with 468(830), for 165253
468(830)	Looper (left hand) Shaft Positioning Stud Collar Retaining Screw, for 165247
109806	Looper (right hand) Height Gauge Driving Shaft Positioning Screw, for 165253
165248	Looper (right hand) Height Gauge Driving Shaft Positioning Screw Retainer, for 165253
165249	Looper (right hand) Height Gauge Indicator, for 165253
165250	Looper (right hand) Height Gauge Indicator Plate, for 165253
165251	Looper (right hand) Height Gauge Looper Carrier Hinge Pin Positioning Stud, for 165253
165252	Looper (right hand) Height Gauge Looper Carrier Hinge Pin Positioning Stud Collar with 468(830), for 165253
468(830)	Looper (right hand) Height Gauge Looper Carrier Hinge Pin Positioning Stud Collar Retaining Screw, for 165252
165253	Gauge complete, Nos. 109806, 165246, 165247, 165248, 165249, 165250, 165251 and 165252 (height gauge used in setting Looper (right hand) in relation to needle)

KNEE LIFTER PARTS

(Supplied with Machine)

<u>Part No.</u>	<u>Description</u>
59324	Chain (8" long) with 56865
56865	Chain Hook (small)
2763	Rock Shaft
12242	Rock Shaft Hanger with two wood screws 1" No. 10 (2)
143283	Rock Shaft Knee Arm
147489	Rock Shaft Knee Arm Hub with 356(803) and 141253(830)
141253(830)	Rock Shaft Knee Arm Hub Clamping Screw
356(803)	Rock Shaft Knee Arm Hub Set Screw
147488	Rock Shaft Knee Arm complete, Nos. 2767, 143283 and 147489
2767	Rock Shaft Knee Plate with 356(803)
356(803)	Rock Shaft Knee Plate Set Screw
6337	Rock Shaft Lifting Bracket with two 356(803)
164729	Rock Shaft Lifting Bracket Hook
356(803)	Rock Shaft Lifting Bracket Hook Set Screw
356(803)	Rock Shaft Lifting Bracket Set Screw
2770	Rock Shaft Stop Dog with 356(803) (2)
356(803)	Rock Shaft Stop Dog Set Screw
164727	Knee Lifter complete, Nos. 2763, 6337, 59324, 147488, 164729 and two each 2770 and 12242

MACHINE BASE

(Supplied with Machine)

165523	Machine Base with two each wood screws 3/4 in. No. 8 R.H. and 1-1/4 in. No. 6 F.H.
164188	Machine Cushion (large) (2)
164189	Machine Cushion (small) (2)
101859	Machine Pad (felt)
140418(805)	Machine Screw Stud (back)
657(805)	Machine Screw Stud (front)

THREAD UNWINDER NO. 165478 - FOR FIVE SPOOLS

(Supplied with Machine)

<u>Part No.</u>	<u>Description</u>
228692	Spool Pin (5)
201528(819)	Spool Pin Nut (5)
82538	Spool Pin Washer (5)
151023	Spool Rest with three each 82538, 201528(819) and 228692 (three spools)
225259	Spool Rest with 82538, 201018(819), 201528(819) and 228692 (one spool) (2)
165476	Spool Rest Bracket, for 165478
157(819)	Spool Rest Bracket Screw, for 165478 (2)
1708(819)	Spool Rest Bracket Screw Nut, for 165478 (2)
82538	Spool Rest Bracket Screw Nut Washer, for 165478 (2)
150203	Spool Rest Cushion (felt) (5)
858(830)	Spool Rest Hub Set Screw
151024	Spool Rest Rod
1122(803)	Spool Rest Rod Set Screw (2)
201018(819)	Spool Rest Set Screw, for 225259 (2)
151025	Spool Rest Stand with two 1122(803) and three wood screws 1 in. No. 12 F.H.
151026	Thread Guide (lower)
50311(830)	Thread Guide (lower) Holder Set Screw
151027	Thread Guide (lower) Support with 50311(830)
151028	Thread Guide (upper, hollow) (2)
165483	Thread Guide (upper, rear), for 165478
151029	Thread Guide (upper) Holder with four 453(830)
453(830)	Thread Guide Set Screw (2)