



INDUSTRIAL SEWING MACHINES

CLASS 51000

FOR STYLE 51000 G

CATALOG NO. T119 L

Union Special CORPORATION

CHICAGO
From the library of: Superior Sewing Machine & Supply LLC

Catalog No. T119 L

LIST OF PARTS

Style

51000 G

First Edition

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October, 1974

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IDENTIFICATION OF MACHINES

Each Union Special machine is identified by a Style number which is stamped into the name plate.

Machines similar in construction are designated by a Class number which contains no letters. Letters suffixed to the Class number indicate the individual Standard machine style. Letter "Z", however, is reserved as a suffix to the Standard style identification to specify machine is of Special construction.

APPLICATION OF CATALOG

This catalog applies specifically to the Standard style of machine as listed herein. It can also be applied with discretion to some Special machines in this Class. References to direction such as right, left, front, back, etc., are given from the operator's position while seated at the machine.

IDENTIFYING PARTS

Where construction permits, each Union Special part is stamped with its catalog number. A part too small for its complete catalog stamping is identified by a letter symbol which distinguishes it from another part similar in appearance.

Each part number represents the same part regardless of catalog in which it appears.

IMPORTANT! ON ALL ORDERS, PLEASE INCLUDE PART NAME AND STYLE OF MACHINE FOR WHICH PART IS ORDERED.

TERMS

Prices are strictly net cash and are subject to change without notice. All shipments are forwarded at the buyer's risk f.o.b. shipping point. Parcel Post shipments are insured unless otherwise directed. A charge is made to cover the postage and insurance.

NEEDLES

Each Union Special needle has both a type number and a size number. The type number denotes the kind of a shank, point, length, groove, finish, and other details. The size number, stamped on the needle shank, denotes the largest diameter of the blade measured in thousandths of an inch midway between the shank and the eye. Collectively, type number and size number represent the complete symbol.

Selection of proper needle size should be determined by the size of the thread used. Thread should pass freely through the needle eye in order to produce a good stitch formation.

For best results, use only genuine Union Special needles in the operation of this machine. They are packaged under our brand name, Union Special which is backed by a reputation for producing highest quality needles for more than three-quarters of a century.

NEEDLES (Continued)

To have needle orders promptly and accurately filled, forward a sample needle, the empty package, or description on label. A complete order would read as follows: "1000 Needles, Type 108GS, Size 044".

Type No.

Description and Sizes

108GS

Round shank, round point, extra short, double groove, ball eye, spotted, struck groove, chromium plated - sizes 032, 036, 040, 044, 049, 054.

Standard needle for Style 51000 G is Type 108GS in size 036.

OILING

The oil has been drained from the machine before shipping, and the reservoir must be filled before beginning to operate. Use a straight mineral oil with a Saybolt viscosity of 90 to 125 seconds at 100° Fahrenheit.

Oil is filled at the spring cap on the top cover, left hand side, and the oil level is checked at the sight gauge, on the lower left hand corner, on front of the machine. The oil level should be maintained between the red lines on the gauge. Capacity of the reservoir is twelve ounces.

Machine is automatically lubricated and no oiling other than keeping the main reservoir filled is necessary.

A daily check before the morning start should be made. Add oil if required to maintain suggested level.

Oil which has passed through the machine is filtered and pumped back into the main reservoir making a too frequent oiling unnecessary.

Excessive oil in the main reservoir may be drained at the plug screw, in the main frame, directly under the handwheel.

DESCRIPTION OF MACHINES

Taupe Finish, Left Hand, Single Needle, Low Throw, Flat Bed Machine. 5/8 Inch Looper Travel, Light Weight Presser Bar and Needle Bar Drive, Oil Return Pump and Siphon Assembly.

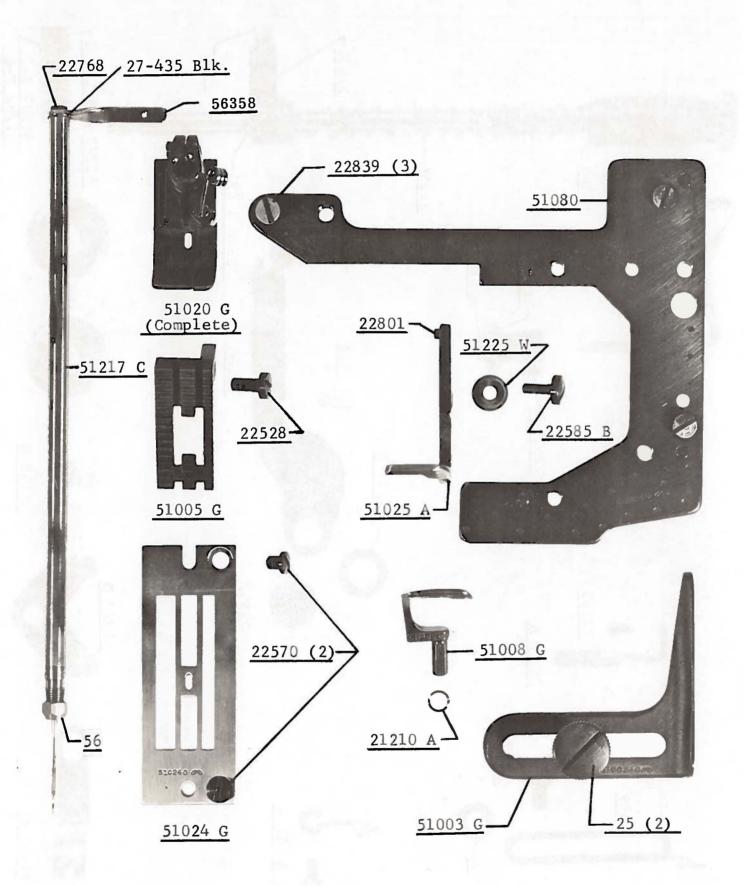
51000 G For miscellaneous light weight seaming and hemming. Can also be used in conjunction with a right hand machine for simultaneously hemming both sides of towels, handkerchiefs, sheets, light weight bags and similar articles using customer's attachments. Seam Specification 401-SSa-1. Stitch range 10 to 16 per inch.

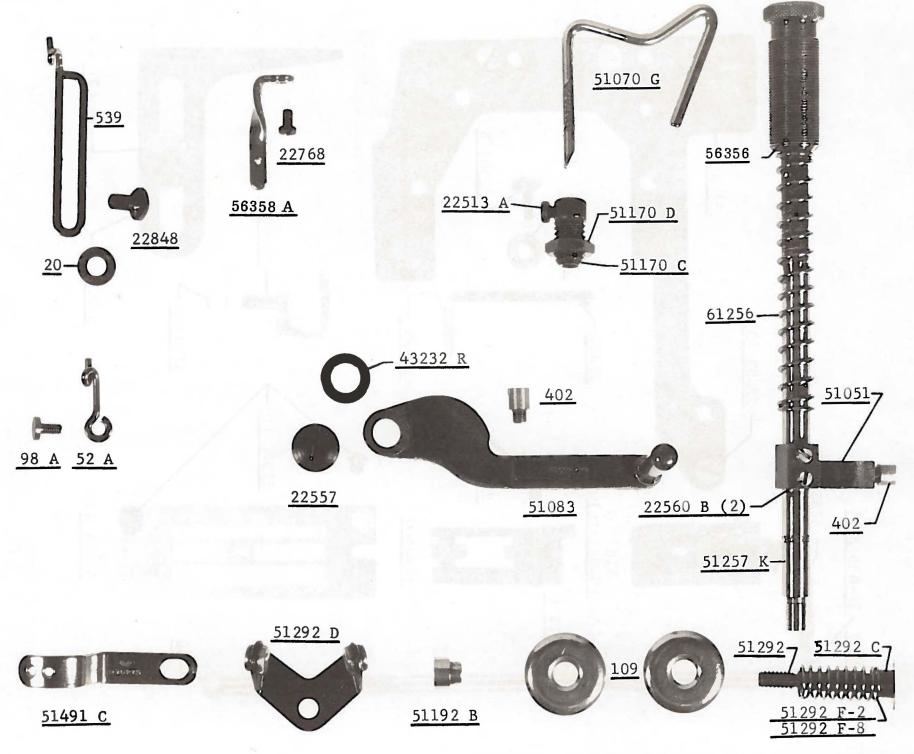
The following is a numerical list of the parts used in this machine. Quantities, part numbers, and descriptions are given. Following the parts list are photographs of some of the major parts.

Amt.	Part No.	Description	Amt.	Part No.	Description	Amt.	Part No.	Description
1 3	8 18	Feed Rocker Shaft Nut for 51240 E,	2	6042 A 11638 M	Washer for 51035 A Nut for 51093 E	1	22852 A 22863	Screw for 51042 B Adjusting Screw for 56334 E
n	20	51041 E, 55244 G Washer for 539,	1	12538 12982	Nut for 51041 G Lock Nut for 81	1	22883 A	Plug Screw for lpr.
2	25	51236 G Screw for 51003 G	1	15465 F	Looper Rocker Cone (88)	4	22894 C	drive shaft hole Set Screw for lpr.
1	27-435 Blk.	Washer for 51258 A	1 1	21210 A 21212	Looper Collar Oil Siphon Conn.	1	22894 D	drive eccentric Spot Screw for lpr.
2 2	28 50-216	Screw for 52804 A			Locking Ring for 51294 Z	2	22894 D	drive eccentric Spot Screw for
1	Blk. 50-458	Pin for 51057 G	1	21657 E 21657 Z	Washer for 51057 G Tension Release	2	22894 F	29476 DV, DX Set Screw for 51221 C
	Blk.	Pin for 56341 G			Shaft Bushing	1	22894 H	Screw for 51042 C
2	52 A	Frame Thread Eyelet (98 A)	2 3	22503 F 22513	Screw for bed Screw for 35731 A	1	22894 J 29066 R	Set Screw for 51247 Needle Lever Ball
1	56 73	Needle Clamp Nut Screw for looper	1 1	22513 22519 H	Screw for 51070 G Screw for 51244 B		- V at 5 (a)	Joint, upper (22559 G)
1	77	Screw for 51054	7	22524	Screw for 51082 C	1	29105 AA	Looper Drive
2	77	Screw for 51034, 51035 A	1 1	22528 22528	Screw for 51005 G Screw for 51057 G	1	29192 J	Eccentric Assembly Looper Rocker
2	80	Screw for 51001 G	1	22539	Screw for 51001 G	1	29348 W	Assembly Needle Lever
1	81 82	Screw for 51042 B Stitch Regulating Screw		22539 A 22557	Plug Screw for bed Screw for 51083	- 1	4.5	Assembly
2	88 90	Screw for 15465 F Screw for 51082 P	2	22559 A	Bearing Cap Screw for 29105AA, lower	1	29476 DV	Looper Avoid Eccentric Assembly
3	90	Screw for 52894 AB	2	22559 B	Bearing Cap Screw	1	29476 DX	(22894 D) Feed Lift Eccentric
1 2	91 95	Screw for 51030 G Screw for 51147	2	22559 G	for 29105 AA, upper Screw for 29066 R	1		Assembly (22894 D)
1	96	Spot Screw for 51723 A	1	22560 B	Screw for feed bar shaft	6	29476 KG 35178 D	CrankshaftAssembly Spring for 666-65, 666-114
1 2	96 97 A	Screw for 51044 Screw for 51041 G	2 2	22560 B 22560 B	Screw for 51051 Screw for 51493 BP	2	35731 A	Presser Bar Guide
1	98 98	Screw for 482 Screw for 51044	1 1	22562 A 22564	Screw for 51154 G Screw for 51054	3	35772 H	Plate (22513, 22729 I Washer for 51081 H
2	98 A	Screw for 52 A	3	22569 B	Screw for 51493 AG	1	35853 V	Pin for 51041 G
4 2	109 187 A	Tension Disc Screw for 51082 L	3	22569 B	Screw for main shaft housing	2 2	41071 G 41394 A	Nut for 51294 P Gasket for 22733 B
1	258	Nut for 56334 E	2	22570	Screw for 51024 G	1	43232 R	Spring Washer for 51083
1 2	258 A 269	Lock Nut for 51745 Nut for 51240 E,	18 1 1	22571 A 22571 B 22580 D	Plug Screw for bed Plug Screw Set Screw for 51723 A	1	51001 G	Cloth Plate (80, 22807, 22839)
2	402	51236 G Screw for 51051,	2	22585 A	Screw for 51082 C	1	51003 G	Edge Guide (25)
2	482	51083 Collar for 8 (98)	1	22585 B 22586 R	Screw for 51025 A Screw for 51250 E	1	51005 G 51008 G	Feed Dog (22528) Looper (73, 21210 A)
2	531	Screw for 51493 BQ	1 1	22706 A 22729	Plug Screw for bed Screw for 51243 C	1	51013	Looper Rocker marked 'L"
1	538	Feed Dog Height Adjusting Screw	1	22729 A	Screw for 51294 P	1	51015 G	Needle Lever for
1	539	Needle Thd. Eyelet (20, 22848)	1 2	22729 B 22729 C	Screw for 51294 K Screw for 51041 E	1	51020 G	29348 W Presser Foot
1	604	Screw for 51030 K	2	22729 C	Screw for 51041 G	1	51022 G	Assembly Main Shaft
1	643-127 Blk.	Pump Housing	1 1	22729 D 22733 B	Screw for 35731 A Plug Screw for	1	51024 G	Throat Plate (22570)
1	660-169	Gasket Needle Bearing for	2	22737	51082 K (41394 A) Screw for 51082 D	1	51025 A	Needle Guard (22585 B, 22801)
		51236 E	3	22760 A	Screw for 51081 H	1	51030 G	Shank for 51020 G(91)
1	660-196	Needle Bearing for 51145 A	2 2	22768 22768	Screw for 51236 B Screw for 56358,	1	51030 H	Presser Foot Bottom (22799 G)
1 2	660-202 660-212	"O" Ring for 51221 C Oil Seal Ring for	1	22768	56358 A Screw for 51244 B	1	51030 J	Yielding Section for 51020 G
2	660-310	51250 E, (22586 R) Retaining Ring for	i	22799 G	Hinge Screw for 51030 H	1	51030 K	Spring for 51020 G (604)
2	666-65	35853 V Oil Wick for looper	1	22801	Stud Screw for 51025 A	1	51034	Feed Bar (77, 258, 538,
1	666-97	rock shaft Oil Sight Gauge	1 1	22807 22811 B	Screw for 51001 G Screw for 51042 C	1	51035	22560 B, 22863) Feed Rocker (92127)
1 2	666-98 666-111	Oil Cup for 51082 N Oil Wick for feed	i	22829	Screw for 15465 F, 51745	1	51035 A	Feed Rocker Arm (77, 6042 A,
4	666-114	rocker shaft Oil Wick for main	1	22834	Needle Guard Adjusting Screw	1	51041 E	55235 D, 55235 E) Looper Connecting Rod Ball Joint,
1	666-170	shaft Oil Wick for 51250 E	1 1	22837 22839	Screw for 51082 M Screw for 51001 G			right (18, 97 Å)
2	666-179 666-201	Wedge Pin for 666-111 Felt Plug for 51294 U	3	22839 22840	Screw for 51080 Eyelet Adapter Screw	1	51041 G	Looper Connecting Rod and Ball Joint
1	666-209	Felt Disc for 51294 U	1	22845 B	Screw for 51081 H			Assembly, left
1	666-214	Felt Lint Tube for 51294 M	8	22848 22848	Screw for 539 Screw for 51082 K	1	51042 A	(12538, 22729 C) Looper Drive
2	719	Screw for 51250 E	2	22849	Screw for 51082 N	Ī	100	Lever Shaft

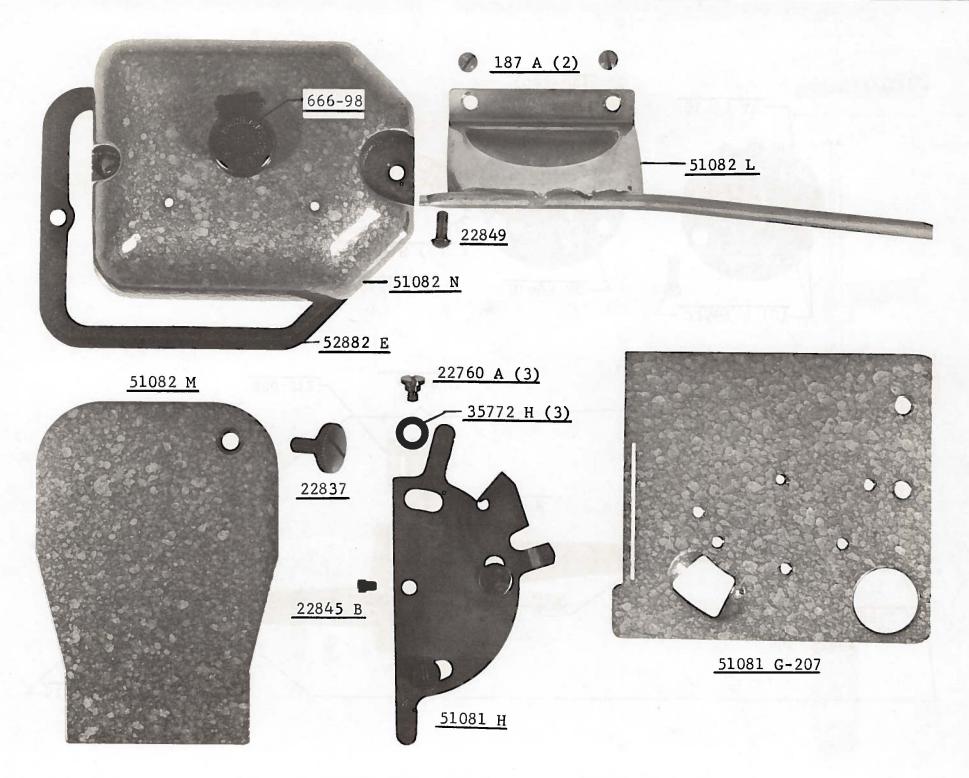
Amt.	Part No.	Description	Amt.	Part No.	Description	Amt.	Part No.	Description
1	51042 B	Looper Drive Lever	2	51192 B	Tension Post	1	51294 M 51294 P	Oil Tube Oil Tube Clamp for
	House I.	Rocker (81, 12982,		51016 C	Ferrule	1	51294 P	head oil siphon
	Price of	22852 A, 51242 M,	2	51216 G	Needle Lever Connection Rod		1 1 1 1	(22729, 41071 G)
1	51042 C	52841 G, 52841 H) Looper Drive Lever	1	51216 J	Needle Lever Conn.	1	51294 U	Oil Siphon Assembly
	51012	(22811 B, 22894 H)	_		Rod Bearing, lower	1	51294 Z	Oil Tube Connection
1	51044	Looper Rocker Frame	28	51216 M	Needle Bearing		-1000	for head oil siphon
		(96, 98)		51010 N	Roller for 29476 KG	1	51306	Feed Lift Eccentric, .072 inch throw, fo
1	51044 A	Looper Rocker Shaft	1	51216 N 51216 N	Washer for 29066 R Washer for 55244 G	100		29476 DX (22894 D)
1	51051	Presser Bar Conn. (402, 22560 B)	1 1	51216 P	Nut, left thread,	1	51406	Looper Avoid Ecc.,
1	51051 C	Presser Bar	1	312101	for 29066 R			.062 inch throw, fo
•	31031 0	Bushing, lower	1	51217 C	Needle Bar (56)			29476 DV (22894 D)
2	51054	Needle Lever Link	1	51221 C	Pulley (22894 F)	2	51491 C	Lead-in Eyelet
		Pin (77, 22564)	1	51225 W	Washer for 22585 B	1 2	51493 D 51493 E	Pump Driving Shaft Shaft Driving Gear
1	51054	Feed Crank Link Pin (77)	2	51236 A	Link Pin for 29476 DV, DX (77)	ĩ	51493 AG	
1	51057 G	Cast-off Plate	1	51236 B	Feed Crank Stud	-	01.00	(22569 B)
1	31031 G	Support	•	01200 -	Cap (22768)	1	51493 AH	Pump Housing Cover
		(21657 E, 22528)	1	51236 D	Feed Crank Link	1 1		(22569 B)
1	51070 G	Pull-up Wire (22513)	1	51236 E	Feed Crank Link	1	51493 BK	Lint Filter Screen Oil Pump
1	51080	Throat Plate		51000 F	Assembly (660-169)	1	51493 BP	Driving Gear
	51081 G-	Support (22839)	1 1	51236 F 51236 G	Ferrule for 51236 E Feed Crank Stud			(22560 B)
1	207	Cloth Plate Cover	1	31230 0	(20, 269, 82)	1	51493 BQ	Oil Pump Driven
1	51081 H	Cloth Plate Cover	1	51240 E	Lpr. Conn. Rod			Gear (531)
	02002	Spring (22760 A,			(18, 269)	1	51723 A	Take-up
		22845 B, 35772 H)	2	51242 L	Thrust Washer for		C1045	(96, 22580 D) Looper Rocker Cone
1	51082 C	Oil Reservoir Top		51040 M	51042 B	1	51745	Stud (258 A,
		Cover	1	51242 M	Washer for 51042 B (52841 G)			22829)
1	51082 D	(22524, 22585 A) Drip Plate for	1	51242 M	Washer for 51042 B	1	52804 A	Cast-off Plate (28)
-	31002 2	51082 C (22737)	ī	51242 R	Looper Drive Shaft	1	52841 G	Locking Stud for
1	51082 K	Oil Reservoir Back			Bushing, center			51042 B
	Maria Control	Cover	1	51242 S	Looper Drive Shaft	1	52841 J	Nut for 52841 G
		(22733 B, 22848)		51040 7	Bushing, rear Looper Drive Shaft	1 1	52882 E 52889	Top Cover Gasket Presser Bar
1	51082 L 51082 M	Oil Drip Plate (187 A) Head Cover (22837)	1	51242 Z	Bushing, front	*	02000	Bushing, upper
1	51082 M	Top Cover (22849)	1	51243 C	Ball Stud Fork	2	52890 C	Main Shaft Bushing,
2	51082 P	Chamber Cover			(22729)			right and middle
1	51083	Hand Lift Lever	1	51244 B	Looper Rocker Shaft	1	52891 B	Main Shaft Housing
- 47		(402, 22557,			Arm (22519 H,			and Bushing (22569 B, 56390 E)
	51.000 E	43232 R)	2	51244 L	22768) Thrust Washer for	3	52894 AB	Oil Tube Holder (90)
1	51093 E	Feed Crank Oil Tube (11638 M)	4	31244 1	51044 A	2	52936	Feed Rocker Shaft
1	51094 G	Feed Lift Ecc. Oil	1	51244 N	Looper Rocker Shaft		I THE RELIEF TO	Bushing
•	02002	Tube			Collar (18, 51216 N,	1	52944 T	Looper Rocker Shaft
1	51094 H	Oil Tube Assembly		51040	55244 G)		52944 U	Bushing, right Looper Rocker Shaft
1	51134 C	Feed Bar Shaft	1	51246	Looper Rocker Stud Nut	1	32944 0	Bushing, left
1	51134 J 51134 P	Washer for 56334 E Lubricating Felt for	1	51247	Main Shaft Counter-	1	52994 L	Looper Avoid Ecc.
-	31134 1	feed rocker shaft		0121	weight (22894 J)			Oil Tube
1	51134 R	Lubricating Felt	1	51250 D	Washerfor 51250 E	2	55235 D	Screw for 51035 A
		Guard	1	51250 E	Needle Lever Stud	2	55235 E	Nut for 51035 A
1	51145 A	Eccentric Link		54050 E	(666-170, 719) Gasket for 51250 E	1	55244 G	Looper Rock Shaft Collar Lock Stud
		Assembly for 29476 DV, DX	1 1	51250 F 51257 K	Presser Bar	1 1		(18, 51216 N)
1	51147	Main Shaft Thrust	i	51282 M	Oil Reservoir Top	1	56334 E	Feed Dog Holder
•	31141	Collar (95)	_	01101	Cover Gasket			(258, 22863)
1	51150	Needle Lever	1	51282 S	Oil Reservoir Back	1	56341 G	Spring for 51041 G
	tale to	Thrust Collar			Cover Gasket	1	56354 A	Needle Bar
1	51154 C	Needle Bar	2	51282 U	Chamber Cov. Gasket			Connection Link for 29348 W
	E11E4 D	Bushing, upper	1	51290 T	Main Shaft Bushing, inner left	1	56356	Presser Spring
1 1	51154 D	Needle Bar Bushing, lower	2	51292	Tension Post	-		Regulator
	51154 G	Needle Bar Conn,	2	51292 C	Tension Nut	1	56358	Needle Bar Thread
		(22562 A)	2	51292 D	Tension Eyelet			Eyelet (22768)
1	51170 C	Pull-off Wire	1	51292 F-2	Tension Spr. (lpr.)	1	56358 A	Ndl. Lever Thread
		Support	1		Tension Spr. (ndl.)	1	56390 E	Eyelet (22768) Gasket for 52891 B
.	E1170 D	(22513, 51170 D)	1	51294 K	Upper Clamp for 51294 S (22729 B)	1 1	61256	Presser Spring
1	51170 D	Nut for 51170 C	1		01201 5 (22120 5)	1	92127	Screw for 51035

NOTE: Numbers in parentheses following parts description indicate the screws, nuts, etc., used to attach or hold these parts.

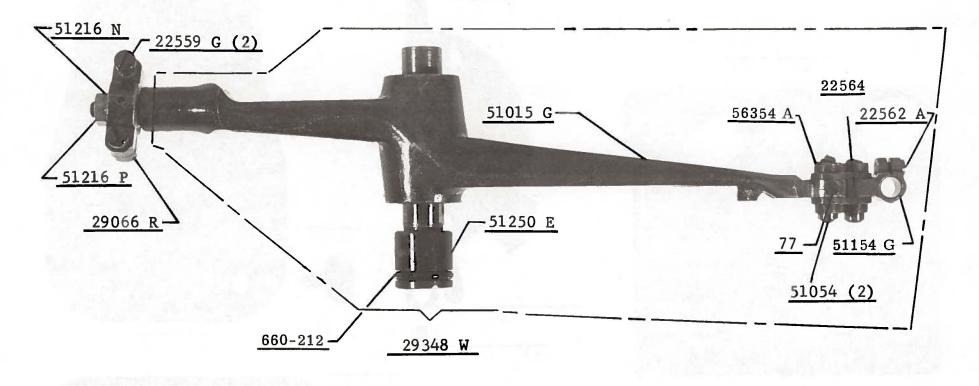


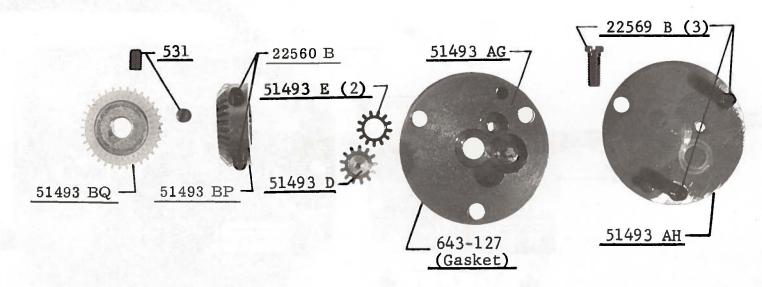


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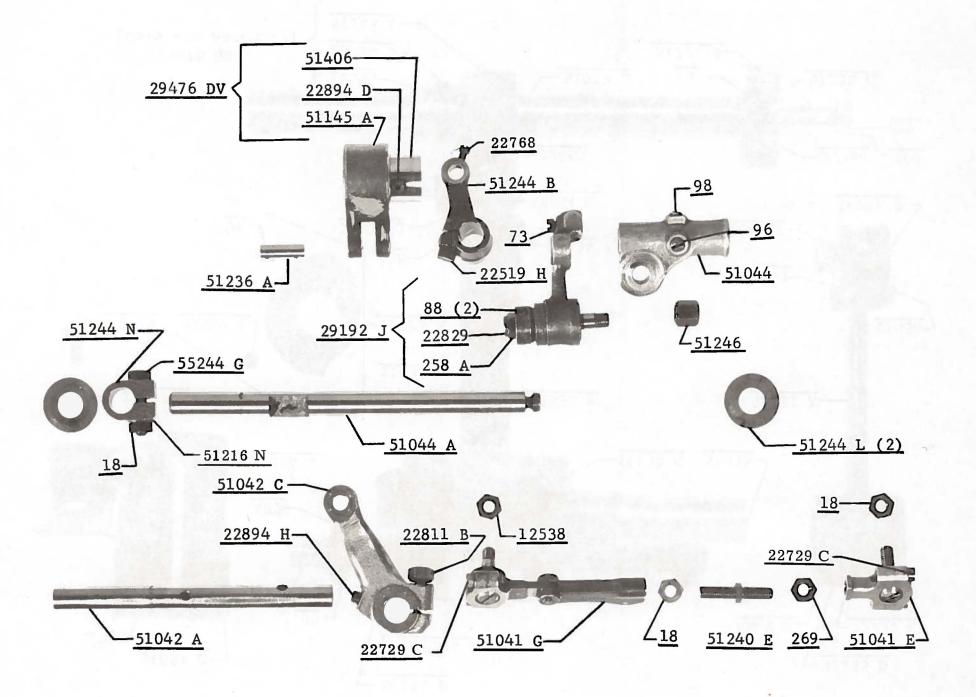


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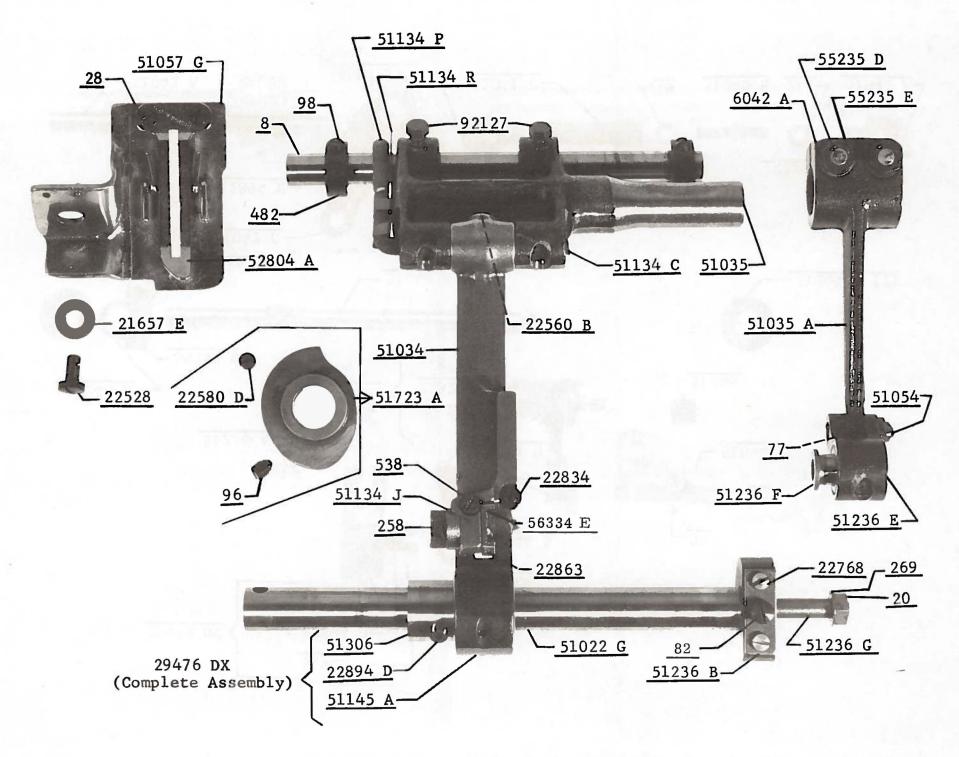




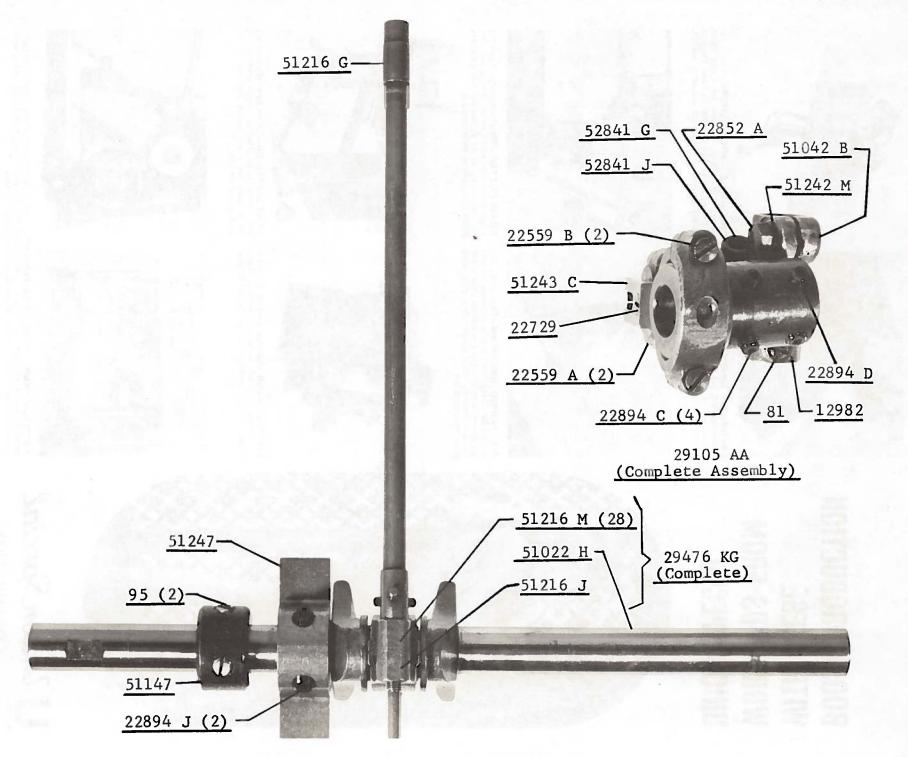
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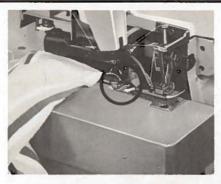


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BOOST PRODUCTION WITH THESE WORK AIDS FROM UNION SPECIAL



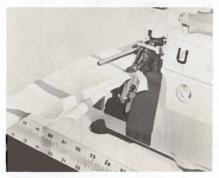
Union Special CORPORATION



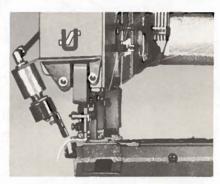
PNEUMATIC CHAIN-CUTTER—for use on conventional Class 39500 and 39600 is a durable scissor-action mechanism that makes a clean positive cut. Style 2899 A-1



PNEUMATIC FOOT LIFTER—The airoperated foot lifter for use on Class 39500 machines allows the operator to raise the foot simply by knee-touching an actuating switch.



AIR FABRIC UNCURLER—This unit, designed for Class 39500 machines, uses air jets to remove curls from top and bottom plies of flat knit materials as fabric passes through sewing area, Style 2899 B-1



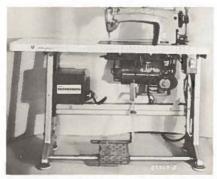
CHAIN CUTTER—The above photo shows the small pneumatic chain cutter that is available for installation as an accessory unit on Class 36200 Flatseamers. Style 2899A-6

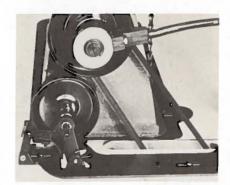


KNIFE GRINDER sharpens straight or angle type knives, is simple and easy to operate, eliminates defective garments caused by dull knives.



HEAT DISPELLER—Union Special's auxiliary unit (arrow) is an effective means for reducing oil temperature where heavy duty service requires it. Style 2899 E-1





AMCO ELECTRONIC NEEDLE POSITIONERS eliminate the necessity of reaching for the handwheel to move the needle up or down . . . this allows the operator to keep both hands on the work, insuring better control, uniform quality and increased production.

Helpful, authoritative information on the most efficient types of equipment for making virtually any machine sewed article is available from Union Special's Sales Promotion Department. Among the many interesting, illustrated bulletins that are available without obligation are the following:



No. 240, "Men's, Women's, Children's Footwear"

No. 249, "Rainwear"

No. 250, "Men's Dress Shirts"

No. 251, "Service Shirts and Pants"

No. 252, "Men's Shorts and Pajamas"

No. 253, "Overalls, Coveralls, and Dungarees"

No. 254, "Men's Knit Underwear"

No. 256, "Knit Outerwear"

No. 259, "Men's Sports Shirts"

No. 260, "Work Gloves"

No. 262, "Cotton, Burlap, Jute, and Multiwall Paper Bags"

No. 263, "Men's Clothing"

No. 264, "Men's Women's, Children's Jackets"

No. 265, "Women's Wear"

No. 266, "Women's Wear And High Fashion"

No. 267, "Corsets, Girdles, Brassieres"

No. 268, "Children's Wear"

No. 269, "Mattresses, Slip Covers, Furniture Upholstery"

No. 271, "Awnings, Canopies, Tents, Tarps"

No. 273, "Curtains & Drapes"

No. 610, "Klipp-it"

No. 710, "MCS ForMation Unit"

No. 730, "MCS Automatic Dual Underfront Shirt Hemmer"

No. 740, "MCS Automatic Rib-Knit Cuff Machine"

No. 750, "Fusing Presses"

No. 1100, "Lewis Blindstitch, Chainstitch, Lockstitch, Machines"

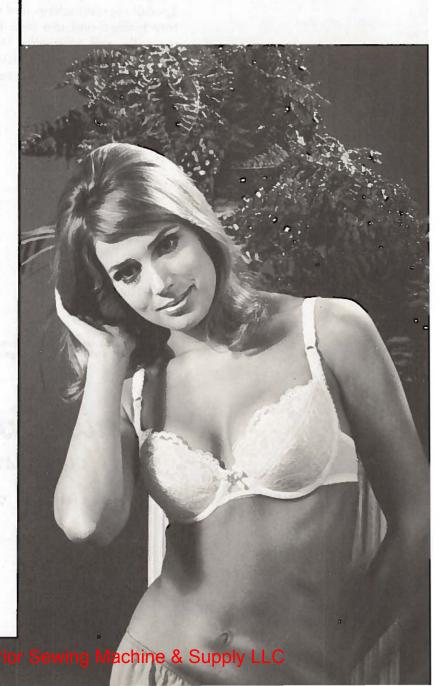
No. 1105, "Button Sewers-Ticket Tackers"

"Columbia Blindstitch, Saddle Stitch, and Tie Closing Machines"

No. 1500, "Alteration Department Machines"



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