



Union Special®

INDUSTRIAL SEWING MACHINES

STYLE

52900BK

LIST OF PARTS

FOR

STYLE 52900 BK

CATALOG

No

T97M

Union Special MACHINE COMPANY
CHICAGO

Catalog No. T97 M

LIST OF PARTS

Style

52900 BK

The parts listed in this catalog are
furnished at list prices for repairs only.

First Edition

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Union Special
INDUSTRIAL SEWING MACHINES
MACHINE COMPANY
CHICAGO

Printed in U. S. A.

IDENTIFICATION OF MACHINES

Each Union Special carries a Style number which is stamped in the name plate on the machine. Style numbers are classified as standard and special. Standard Style numbers have one or more letters suffixed, but never contain the letter Z. Example: "Style 52900 BK". Special Style numbers contain the letter "Z". When only minor changes are made in a standard machine, a "Z" is suffixed to the standard Style number. Example 52900 BKZ".

Styles of machines similar in construction are grouped under a Class number, which contains no letters. Example: "Class 52900".

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 Class 52900. All references to directions, such as right and left, front and back, etc., are taken from the operator's position while seated at the machine. Operating direction of handwheel is toward the operator.

DESCRIPTION OF MACHINE

52900 BK Streamlined Flat Bed, Vertical Trimmer, Rear Disposal of Trimmings, Three Needles, Left Needle in Rear, Two Loopers, Heavy Duty, Dual Stitch, Double Locked Stitch on Left, Four Thread Interlock Stitch on Right, Upper and Under Feed, for Seaming Furniture and Automobile Upholstery, Plastic Seat Covers and Similar Articles. Standard Gauge No. 12-12.

NEEDLES

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

Standard needle for Style 52900 BK is Type 147 G. It is a round shank, round point, long, double groove, ball eye, spotted, short point, chromium plated needle with undersized eye and grooves, one step reduction and is available in sizes 044, 049, 054, and 060. Unless otherwise specified the machine will be equipped with size 054.

To have needle orders promptly and accurately filled, the empty package, a sample needle, or type and size number should be given. See marks on packages. A complete order would read: "1000 Needles, Type 147 G Size 054".

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

Success in the operation of this machine can be secured only with genuine Union Special needles, which are put up in packages marked "trade Union Special mark" at the top. This trade mark is your guarantee of needles of the highest quality in materials and workmanship.

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	8	Feed Rock Shaft	2	666-65	Oil Wick for Looper	2	22716	Screw for
5	18	Nut for #35741 A, 51240 D, 52854,	1	666-81	Rock Shaft Felt Wick for	3	22716	#29264 U-12-12
		55241 N, 55244 G			#52942 V	1	22716 A	Screw for #29105
3	20	Washer for #539, 51236 G, 55244 G	2	666-82	Oil Wick for #51145	2	22729	Screw for #52942 N
1	T26	Screw for #52978 P	1	666-99	Oil Wick for	1	22747	Screw for #51243 C
2	28	Screw for #52904 A			Spreader Rock	1	22758 C	Screw for #41255 B
1	28	Screw for #52994 A	2	666-111	Oil Wick for #8	3	22760 A	Screw for #51283 F
1	43	Looper Avoid Eccen- tric	2	666-114	Oil Wick for Right Main Bearing	2	22768	Screw for #51281 AC
						1	22768	Screw for #51236 B
1	50-648	Oil Gauge	2	666-118	Oil Wick for Left Main Bearing	1	22768	Screw for #51958 A
	Blk.					1	22768	Screw for #51958 A
1	54	Needle Lever Link	1	666-138	Felt	1	22795	Screw for #52958 A
2	73	Screw for Looper	2	666-148	Oil Tube Coupling	1	22799 N	Screw for #51236 G
1	73 A	Screw for #41076 D	1	666-170	Felt for #51250 E	1	22829	Screw for #52971 J
5	77	Screw for #1286, 51054, 51236 A, 52973 B	2	719	Screw for #51150, 51250 E	1	22834	Screw for #29192 G
						2	22839 C	Screw for #52934
1	77	Screw for #29348 N	2	1286	Link Pin for	1	22845 B	Screw for Cloth
1	78	Screw for #29348 N			#51236 D, 52973 B	1	22848	Plate
2	80	Screw for Cloth Plate	2	6042 A	Washer for #52854, 52894 AM	1	22848	Screw for #51281 AC
						1	22848	Screw for Top Feed
2	80	Screw for #52980 A	1	12538	Nut for #51241 K	8	22848	Dog
1	81	Screw for #52742 K	1	12934 A	Nut for #52848 B	1	22848	Screw for #539
2	87	Screw for Throat Plate	1	12982	Nut for #81	1	22852	Screw for #52982 C
			3	14649	Collar for #8	1	22852 A	Screw for #52934 D
1	J87 J	Screw for #52994 A	1	15037 A	Nut for #52848 C	2	22872	Screw for #52742 K
2	88 A	Screw for #29348 N	1	15430 C	Nut for #51216	1	22889 A	Screw for #52855 A
3	90	Screw for #52894 AB	1	15430 D	Nut for #51216	1	22894 H	Plug Screw
2	90	Screw for #52882 Y	2	15430 D	Nut for #52816	1	22894 T	Screw for #52942
1	90	Screw for #51134 V	1	15438 B	Tension Disc	1	29066 P	Screw for #43
2	90	Screw for #52934 G	1	15438 C	Spring			Needle Lever Con-
2	90	Screw for #52944	1	15438 D	Stud for #22517 C	1	29105 E	necting Rod Upper
2	93	Screw for	1	15455	Knife Holder			Bearing Assembly
		#B21375 AH			Support Pin (258)	1	29126 BH	Looper Lever Eccen-
1	93 A	Screw for #51393 E	1	20149 C	Pin for #52971 J	1	29132 N	tric Assembly
1	95	Screw for #52970 T	2	21210	Oil Guard Washer	1	29132 N	Spreader Eccentric
1	HA95	Adjusting Screw for	1	B21375 AH	Belt Guard (93)	1	29192 G	Assembly
		#51134 N	1	21657 E	Washer for #22528	1	29192 G	Looper Rock Assem-
1	96	Screw for #51244	1	21657 W	Tension Release	1	29264 K-	bly
1	98	Screw for #51244	1	21657 Y	Lever Shaft	1	12-12	Needle Bar Assembly
3	98 A	Screw for #158 B	1	21657 AA-	Connection (22596)	1	29348 N	Needle Lever Assem-
12	109	Tension Disc	4	4	Tension Disc			bly
3	158 B	Eyelet (98 A)			Separator	4	35178 D	Spring for
2	166	Screw for #52972	4	22513	Screw for #35731 A	4	35178 D	#666-114, 666-65
1	258	Nut for #52894 AM	2	22513	Screw for #52894 N	1	35582 B	Thread Guide
1	258	Nut for #15455	1	22516	Screw for #52971 A	2	35731 A	Presser Bar Connec-
1	258	Nut for #52894 AM	1	22517 C	Supplementary Ten-			ting Guide Plate
4	269	Nut for #52816, 35741 A, 51236 C, 51240 D	7	22524	Screw for #52982	1	35759	(22513)
			1	22528	Screw for Feed Dog	1	35759	Needle Bar Connec-
1	294	Screw for #52894 K	2	22528	Screw for #29348 N	1	35766	tion for #29348 N
4	294	Screw for Head Cover #52882 R	1	22528	Screw for #52957 A	1	35772 H	Stud for #52950
			1	22539 D	Plug Screw	3	35772 H	Washer for
2	402	Screw for #51283 F, 51283 H	2	22539 H	Plug Screw	1	39175 D	#51281 AC
2	531	Screw for #53783 G	3	22541 A	Screw for #52882 AD	1	39175 D	Looper Drive Con-
2	539	Frame Thread Eyelet	4	22548	Screw for #52882 AE	1	41076 D	necting Rod
1	652 C-		1	22557 B	Screw for #53783 L	1	41076 D	Thread Eyelet
	9	Needle Bar Eyelet	1	22560	Screw for #52842	1	41255 B	(73 A)
		Washer	2	22560 B	Screw for #52973 F	1	41255 B	Fork for #52854
1	660-90	Felt Wiper for	1	22560 B	Screw for #52894 AK	3	43266	(22747)
		#29105 E	1	22568	Screw for #52950	1	43266	Nut for #51292 G
1	660-136	Oil Tube for Feed Crank Link	3	22569 B	Screw for Bearing	1	51034 A	Nut for #51292
1	660-143	Oil Tube for	8	22570 A	Housing	1	51034 A	Feed Bar Shaft
		#29105 E	18	22571 A	Screw for #52982 A	2	51054	Link Pin for
2	660-202	Oil Ring for	2	22571 B	Plug Screw			#29348 N
1	660-207	#52846 A, 52849 C	1	22572 A	Plug Screw	1	51116 B	Needle Lever Con-
					Screw for Head			necting Rod
2	660-212	Oil Ring for	2	22585 A	Cover #52882 R	1	51134 C	Bearing, lower
		Presser Foot Lever	1	22585 B	Screw for #52982	1	51134 N	Feed Bar Shaft
1	666-47	Oil Wick for			Screw for Needle	1	51134 V	Feed Bar Spring,
		#51134 V	1	22586 R	Guard	1	51134 V	upper
1	666-53	Oil Wick for	2	22587 F	Screw for #51250 D	1	51135 P	Taper Pin (90)
		#52851 C	1	22588 A	Screw for #29126 BH	1	51142 A	Feed Rocker Arm
			1	22596	Screw for #52950 G	1	51142 A	Feed Lift Eccentr
			1	22599	Screw for #21657 Y	2	51145	upper
					Screw for #52978 B			Feed Lift & Looper
								Avoid Eccentric
								Link

AMT.	PART NO.	DESCRIPTION	AMT.	PART NO.	DESCRIPTION	AMT.	PART NO.	DESCRIPTION
1	51147	Main Shaft Collar	1	51393 E	Oil Tube for	1	52894 AM	Oil Tube for Looper
1	51150	Needle Lever Stop Collar	5	51491 C	#51373 C (93 A) Thread Lead-in Guide			Drive Ball Joint, right (258 A, 6042 A)
1	51190 D	Housing Gasket	2	51785	Spring for #666-111	1	52901 E	Cloth Plate (80, 22839 C)
1	51193 X	Oil Tube for Upper Feed Bar Pin	1	51958	Needle Lever Thread Eyelet (22768)	1	52903 C	Welt Guide (22514)
1	51215 H	Needle Lever	1	51958 A	Needle Bar Thread Eyelet (22768)	2	22514	Screw for #52903 C
1	51216	Needle Lever Connection Rod Tube (15430 C, 15430 D)	1	52742 K	Looper Lever Rocker (81, 22852 A)	1	52904 A	Cast-off Wire (28)
1	51216 N	Washer for #52934 D	1	52816	Spreader Eccentric Connecting Rod (269, 15430 D)	1	52905 BK-12-12	Feed Dog (22528)
1	51225 W	Needle Guard Washer	1	52841 G	Locking Stud	1	52908 B	Looper, front
3	51236 A	Looper Avoid & Feed Lift Link Pin	1	52841 H	Nut for #52841 G	1	52909 B-16	Looper, back
1	51236 B	Feed Crank Stud Cap (22768)	1	52842	Needle Bar Finger Thread Eyelet Support (22560)	1	52913	Looper Rocker for #29192 G
1	51236 E	Feed Crank Link Assembly	1	52844 N	Looper Rock Shaft Collar	1	52917-12	Needle Bar for #29264 U-12-12
1	51236 G	Feed Crank Stud (22795)	1	52845 A	Spreader	1	52918-12-12	Needle Head for #29264 U-12-12
1	51240 C	Spring	1	52846 A	Spreader Holder	1	52920 BK-12-12	Presser Foot
1	51240 D	Spring Connecting Rod (18, 269)	1	52847	Spreader Holder Carrier & Lower Presser Bar Bushing	1	52922	Main Shaft
1	51241 K	Looper Connecting Rod Ball Joint, right	1	52848 B	Spreader Connecting Rod Ball Joint, front (12934 A)	1	52922 B	Crankshaft
2	51242 L	Thrust Washer for #52742 K	1	52848 C	Spreader Connecting Rod Ball Joint, rear (15037 A)	1	52923	Take-up
2	51242 M	Thrust Washer for #52742 K, 52841 G	1	52849	Spreader Rock Shaft	1	52924 BK-12-12	Throat Plate (87)
1	51242 P	Looper Lever Shaft	1	52849 B	Spreader Rock Shaft Arm	1	52925 A	Needle Guard (22585 B)
2	51243 C	Ball Stud Fork	1	52849 C	Spreader Rock Shaft Oil Seal Collar (95)	1	52926 BK-12-12	Top Feed Dog (22848)
1	51243 K	Oil Disc for #29105 E	1	52852 A	Spreader Adjusting Segment Lever	1	52931	Needle Stop Plate
1	51243 R	Clip for #29105 E	1	52854	Spreader Connecting Rod Ball Joint Assembly (18, 6042 A)	1	52934	Feed Bar
1	51244	Looper Rock Frame (96, 98)	1	52855 A	Finger Thread Pull-off Eyelet (22872)	1	52934 A	Upper Feed Bar
1	51244 B	Feed Rocker Shaft Arm	1	52855 G	Finger Thread Pull-off Arm	1	52934 B	Upper Feed Bar Arm
1	51244 K	Looper Rock Shaft	1	52882 K	Gasket for #52982	1	52934 C	Stop Plate
2	51244 L	Thrust Washer	1	52882 P	Gasket for #52882 AD	1	52934 D	Upper Feed Dog Holder (22852, 51216 N)
1	51246	Nut for #51745	1	52882 R	Head Cover (294, 22572 A)	1	52934 E	Lubricating Felt
1	51250 D	Washer for #660-212	1	52882 S	Gasket for Head Cover	1	52934 F	Lubricating Felt Guard
1	51250 E	Needle Lever Stud	1	52882 U	Gasket for #52882 AE	1	52934 G	Lifter Bracket (90)
1	51250 F	Gasket for #22586 R	1	52882 Y	Baffle Plate (90)	1	52935	Feed Rocker
1	51281 AC	Cloth Plate Cover Spring (22760 A, 22845 B, 35772 H)	1	52882 AD	Chamber Cover (22541 A)	1	52942	Looper Drive Lever (22894 H)
1	51282 AE	Needle Lever Bearing Oilier	1	52883 S	Presser Foot Lifter Lever Bell Crank Spring	1	52942 N	Needle Thread Nipper
1	51283 F	Lifter Lever Link (402, 22758 C)	1	52888 A	Presser Bar	1	52942 V	Feed Lift Eccentric Thread Guide (90)
1	51283 H	Presser Foot Lifter & Tension Disc Release Lever (402)	1	52889 A	Presser Bar Bushing, upper	1	52944	Thread Guide (90)
1	51292	Spreader Thread Tension Post	1	52894 K	Oil Tube Assembly (294)	1	52945	Feed Lift Eccentric Link
6	51292 A	Tension Post Ferrule	1	52894 N	Oil Wiper Plate (22513)	1	52949	Lower Knife
6	51292 C	Tension Nut	1	52894 AB	Oil Tube Holder	1	52949	Lower Knife
6	51292 D	Tension Thread Eyelet	1	52894 AH	Attaching Sleeve for #52894 K	1	52950	Lower Knife Holder Block (22568, 35766)
2	51292 F-2	Tension Spring (Looper)	1	52894 AK	Oil Tube for Looper & Left Ball Joint (22560 B)	1	52950 G	Lower Knife Holder Plate (22588 A)
1	51292 F-4	Tension Spring (Spreader)	3			1	52957 A	Cast-off Wire Support (22528)
3	51292 F-8	Tension Spring (Needle)	1			1	52958 A	Take-up Thread Guide (22768)
5	51292 G	Tension Post	1			1	52970 C	Upper Knife
1	51293 U	Oil Tube for Lower Feed Lift Eccentric	1			1	52970 T	Pull-off Wire (95)
1	51321 D	Pulley (22894 E, 22894 H)	1			1	52971 A	Knife Holder (22516)
1	51373 C	Knife Holder Rocker Arm Bracket Shaft	1			1	52971 J	Knife Clamp Plate (22799 N)

AMT.	PART NO.	DESCRIPTION	AMT.	PART NO.	DESCRIPTION	AMT.	PART NO.	DESCRIPTION
1	52980 A	Throat Plate Support (80)	1	52994 J	Oil Tube for Upper Feed Bar	1	53783 M	Lifter Lever Connecting Rod
1	52981 R	Cloth Plate Cover (T26)	1	52994 K	Oil Tube for Looper Lever Eccentric	1	53783 N	Lifter Lever, internal
1	52982	Oil Reservoir Top Cover (22524, 22585 A)	1	52994 L	Oil Tube for Knife Eccentric	1	55241 N	Looper Connecting Rod Ball Joint, left (18)
1	52982 A	Bottom Cover Plate (22570 A)	1	52994 M	Oil Tube for Upper Drive Lever Shaft	1	55244 G	Looper Rock Shaft Collar Stud (18)
1	52982 B	Gasket (22570 A)	1	53783 C	Presser Foot Lifter & Guide (531)	1	61356	Presser Spring
1	52982 C	Back Cover (22848)	1	53783 L	Lifter Lever Bell Crank (22557 B)	1	K68042	Presser Bar Stop Collar
1	52992 A	Tension Post Support						
1	52994 A	Oil Guard (28, J87 J)						

NOTE: Numbers in parentheses following parts' descriptions indicate the screws, nuts, etc. used to attach or hold those parts.





