

**FIRST
EDITION**

Union Special[®]
INDUSTRIAL SEWING EQUIPMENT

CATALOG NO. T113L

STYLES

61100A

61100B

61100C

LIST OF PARTS

Catalog No. T113 L

LIST OF PARTS

Styles

61100 A

61100 B

61100 C

First Edition

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Union Special
CORPORATION
INDUSTRIAL SEWING MACHINES
CHICAGO

February, 1974

Printed in U.S.A.

IDENTIFICATION OF MACHINE

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 61100 A". 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: "61100 AZ".

Styles of machines similar in construction are grouped under a class number which differs from the style number in that it contains no letters. Example: "61100".

APPLICATION OF CATALOG

This catalog applies specifically to the standard styles of machines as listed herein. It can also be applied with discretion to some special machines in Class 61100. All references to direction, such as left and right, front and back, etc., are taken from the operator's position while seated at the machine. Operating direction of handwheel is toward the operator.

STYLES OF MACHINES IN CLASS 61100

61100 A Streamlined, Single Needle Basting Machine, Taupe Finish, Push Button Stitch Regulator, Visible Stitch Indicator, Automatic Lubrication of Lower Mechanism, for Light and Medium Weight Material, such as Basting Pockets, Pocket Welts, and Pocket Flaps. Stitch Type 101.

61100 B Same as 61100 A, except for Heavy Weight Material, such as Coats, Suits, Topcoats, Overcoats, Ladies' Coats and similar Garments. Stitch Type 101.

61100 C Same as 61100 A, except equipped with Tape Reel for Taping Hems on Skirts, Dresses, Ladies' Coats, etc. Seam Specification 101 LSa-1 (inverted).

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 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.

Standard needle for Styles 61100 A and 61100 C is Type 113 GS. It is of extra short length, double groove, struck groove, spiral groove, ball eye, spotted, chromium plated, and is available in sizes 029, 032, 036, 040, 044, 049, 054.

Standard needle for Style 61100 B is Type 133 GS. It is of short length, double groove, struck groove, spiral groove, ball eye, spotted, chromium plated, and is available in sizes 032, 036, 040, 044, 049, 054.

To have needle orders promptly and accurately filled, the empty package, a sample needle, or type and size number should be given. See label on package. A complete order should read: "1000 Needles, Type 113 GS, Size 040".

Selection of proper needle size should be determined by size of thread used. Thread should pass freely through 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.

IDENTIFYING PARTS

Where the construction permits, each part is stamped with its part number. On some smaller parts, and those where the construction does not permit, an identification letter is stamped to distinguish the part from similar ones.

All part numbers represent the same part, regardless of the catalog in which they appear.

TERMS

Prices are strictly net cash and 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.

LUBRICATION

CAUTION!

The oil has been drained from the looper drive eccentric and main reservoirs before shipment and these reservoirs must be filled before starting to operate. Lubricate machine thoroughly in accordance with instructions and run slowly for several minutes to distribute the oil to the various parts. Full speed operation can then be expected without damage.

RECOMMENDED OILS

Use a straight mineral oil of a Saybolt viscosity of 90 to 125 seconds at 100° Fahrenheit in both reservoirs. This is equivalent to Union Special oil specification No. 174.

Oils conforming to specification No. 83, may also be used in the manually oiled places.

With needle bar at top of its stroke, oil holes (A & B, Fig. 1) in top of machine twice daily. Both reservoirs are filled through oil cup "C" and the supply should be replenished if required. The oil level should be checked from time to time and kept between the lines on gauge "D".

In order to determine if the oil tube from the main reservoir to the looper drive eccentric reservoir is functioning, check the oil level by tilting machine back against the rest pin and remove screw "E" (Fig. 2).

CAUTION!

Do not use a compounded oil in the reservoirs as these oils separate and froth.

Lubrication of the mechanism below the bedplate is automatically accomplished through the feed driving shaft which is tubular. Oil is introduced into the shaft at the gear end by means of an oil distributing plate (A, Fig. 3) which is secured to the large gear case cover (B) by means of two screws (C) and retaining block (D).

Should it ever become necessary to remove any of the parts from the gear case, it is imperative that the adjustment of the oil distributing plate be checked very carefully. This can be done by removing the large plug screw at right end of the gear housing and looking through the hole. The low point of the oil distributing plate must be even with or slightly below the center of the shaft (E) and just touching it. This is a very important adjustment, as the functioning of the automatic lubrication of the lower part of the machine depends upon it.

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	G26	Screw for 61303 E	1	719	Set Screw for 61437 C	1	22845 D	Stud for 61434 (15037 A)
4	30-56	Blk. Wood Plug for 61132	1	753	Tape Spool Support	1	22845 G	Screw for 61449 E
1	50-552	Blk. Plug for 61132	1	6990	Axle Cone for 61100 C (22576)	1	22874 F	Screw for 61468 (9937)
1	50-558	Blk. Plug for bed	2	8372 A	Spring for 61120 A	1	22880	Spot Screw for main shaft counterweight
1	50-568	Blk. Oil Gauge	2	8372 A	Washer for 51758	1	22880	Spot Screw for 61449 E
2	HA61 D	Screw for intermediate gear shaft collar, right	1	9937	Washer for 61391 D	2	22884	Screw for main shaft gear
2	HA61 D	Screw for intermediate gear shaft collar, left	1	15037 A	Nut for 22874 F	2	22884	Screw for feed drive shaft gear
1	77	Screw for presser bar guide	1	15872 F	Spring for foot lifter lever	2	22884	Screw for feed drive shaft collar
2	88	Screw for looper shaft collar	2	21114	Tape Spool Disc for 61100 C	1	22890	Screw for 61466 A
1	88	Screw for 161	1	21114 W	Tape Spool Pin for 61100 C (258 A)	1	22892	Screw for 61267
1	88	Screw for 61438 C	1	21171 R	Tape Reel Assembly for 61100 C	1	22892	Screw for 61367
1	88 D	Screw for feed dog holder support	1	21171 S	Tape Reel Support for 61100 C (22581)	1	22892	Screw for presser bar connection
1	89	Screw for feed bar	1	21171 U	Tape Tension Guide for 61100 C (22858 C)	2	22894 C	Screw for looper holder
2	90	Screw for 61141 G	1	21171 V	Tape Tension Guide Bracket for 61100 C (22585 A)	2	22894 E	Screw for 61236 G
2	90	Screw for 61336 Y	1	21171 W	Tape Guide Wire for 61100 C (22585 A)	2	22894 V	Screw for main shaft counterweight
1	91	Looper Set Screw	1	21177 A	Tape Reel Tension Spring for 61100 C	1	29126 BV	Looper Drive Eccentric Assembly for 61100 A, 61100 C
2	91 A	Screw for 61173	1	22528	Screw for 61439	1	29126 CN	Looper Drive Eccentric Assembly for 61100 B
1	93 A	Screw for presser bar guide	1	22539 D	Plug Screw for base	1	29126 DU	Feed Drive Eccentric Assembly
1	93 A	Screw for 61246 A	1	22562 A	Screw for needle bar connection stud	1	29475 K	Bed Slide Assembly
1	95	Screw for stitch length indicator	3	22564 B	Screw for timing collar 61437 A	1	39151	Needle Clamp Nut
1	96	Spot Screw for stitch length indicator	2	22569 B	Screw for head cover	1	41064 B	Looper Drive Shaft
1	96	Spot Screw for 61137 B	1	22570 A	Screw for 51758	1	43217	Needle Bar
1	96 A	Screw for 61141	4	22570 A	Screw for 61282 A	1	51236 A	Hinge Pin for 61285 G (22768)
1	98	Set Screw for 61237	6	22570 A	Screw for 61382 J	1	51242 M	Washer for 22802 A
1	98	Set Screw for 61137 B	2	22570 A	Screw for 61394 Q	1	51292 A	Tension Post Ferrule
1	107	Tension Post Ferrule	1	22570 B	Screw for main shaft counterweight	1	51292 D	Tension Thread Eyelet
1	108	Tension Post Nut	3	22574	Screw for 61321 J	1	51430 F	Nut for 22840 A on 61120 C
2	109	Tension Disc	1	22576	Screw for 753	1	51491 C	Thread Guide
1	110-0	Tension Spring	2	22581	Screw for 21171 S	1	51758	Frame Needle Thread Eyelet (8372 A, 22570 A)
1	161	Collar for 61445	1	22585	Screw for 61151	1	51930	Spring for 61120
2	258 A	Nut for 21114 W, on 61100 C	1	22585 A	Screw for 21171 V, 21171 W	2	52782 C	Stud Screw for head cover on 61100 C
2	376	Screw for throat plate	1	22585 C	Screw for 21171 U	1	61102	Bed Slide
4	531	Screw for stitch regulating shaft collar	2	22596 D	Adjusting Screw for 61391 D	1	61105	Feed Dog (22768)
1	652 B-20	Lock Washer for lifter lever stud	1	22597 A	Screw for 61445	1	61108 A	Looper, marked "CV" (91)
1	660-142	Spring Cotter Pin for 61368 A	1	22597 A	Screw for 62262	1	61120	Presser Foot for 61100 A (22775)
2	660-184	Oil Tube Sleeve for 61193	1	22647 K-24	Thumb Screw for 21177 A	1	61120 A	Presser Foot for 61100 B (22775)
2	660-190	Oil Tube Coupling Nut for 61193	1	22712 F	Screw for 61368 F	1	61120 C	Presser Foot for 61100 C (22775)
1	660-257	Gasket for 22730	1	22730	Plug Screw for 61282 A (660-257)	1	61124-068	Throat Plate (376)
2	666-20	Oil Wick for oil tubes 61293, 61393 B	1	22743	Plug Screw for 61132	1	61130	Shank for presser foot 61120
1	666-104	Oil Wick for main shaft bushing housing	1	22757 C	Screw for 61255 H	1	61130	Shank for presser foot 61120 A
2	668-25	Steel Insert for tension thread eyelet	1	22758 B	Screw for 61267	1	61130 A	Bottom for 61120
2	668-29	Locking Ring for 668-25	1	22758 B	Screw for 61367	1	61130 B	Bottom, right, for 61120 A (22799 U)
			2	22768	Screw for feed dog	1	61130 C	Bottom, left, for 61120 A (22799 U)
			1	22768	Screw for 51236 A	1	61130 D	Plunger, right, for 61120 A
			1	22775	Screw for presser foot	1	61130 E	Plunger, left, for 61120 A
			1	22775 A	Screw for feed dog holder support	1	61130 F	Equalizer, for 61120 A (22799 N)
			1	22799 M	Hand Lifter Screw Pin			
			1	22799 N	Screw for 61130 F			
			2	22799 U	Hinge Screw for presser foot 61120 A			
			1	22802 A	Screw for 61449 F			
			1	22817 A	Stud for 61468			
			1	22840 A	Adjusting Screw for presser foot 61120 C			

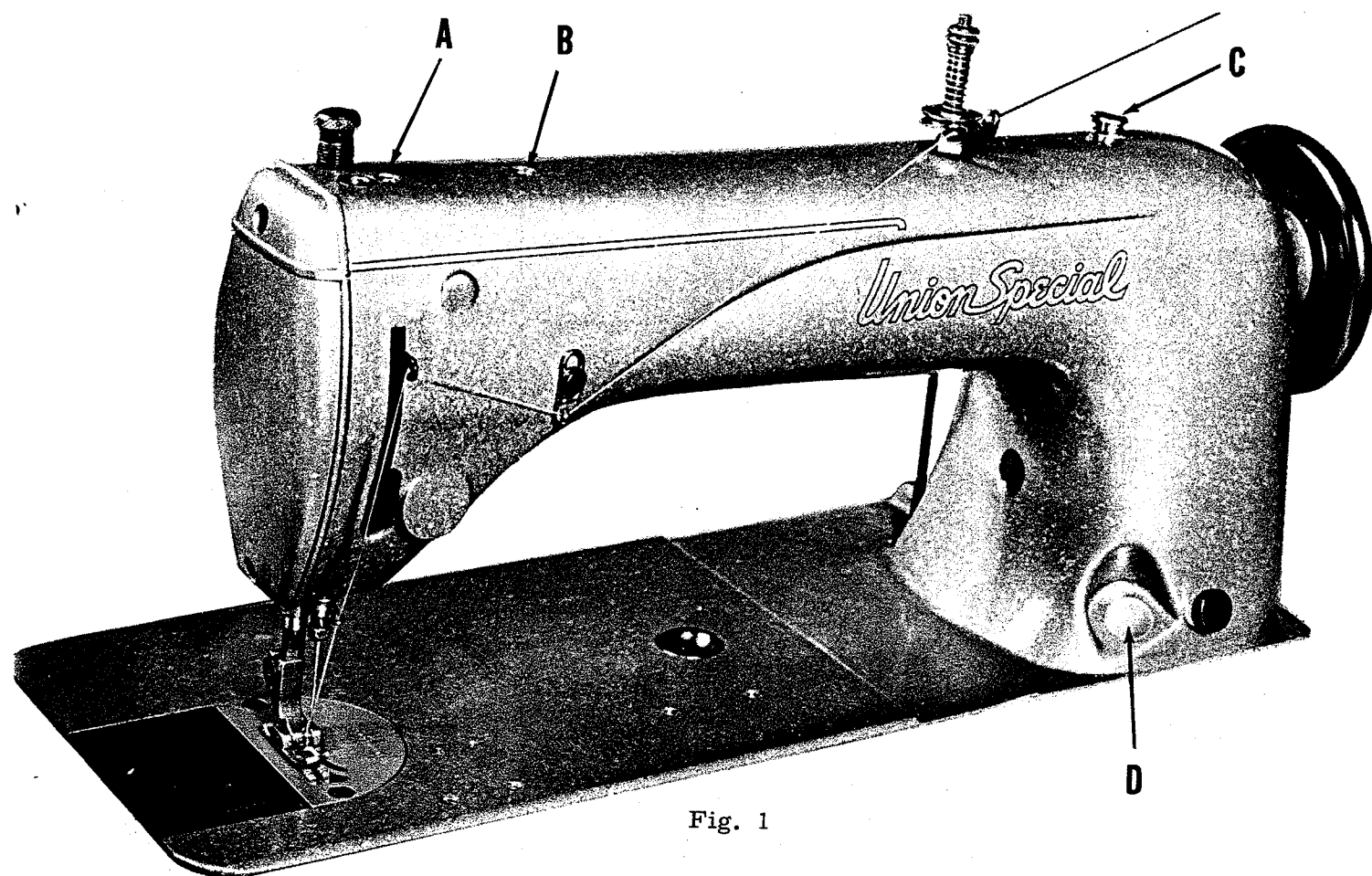


Fig. 1

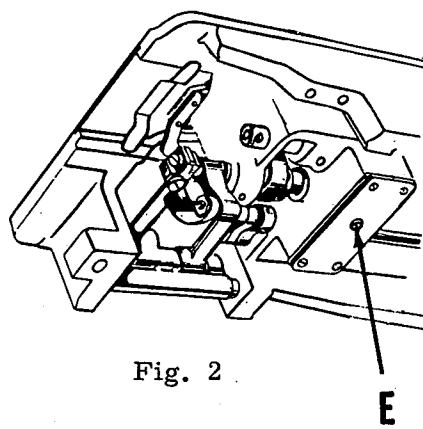


Fig. 2

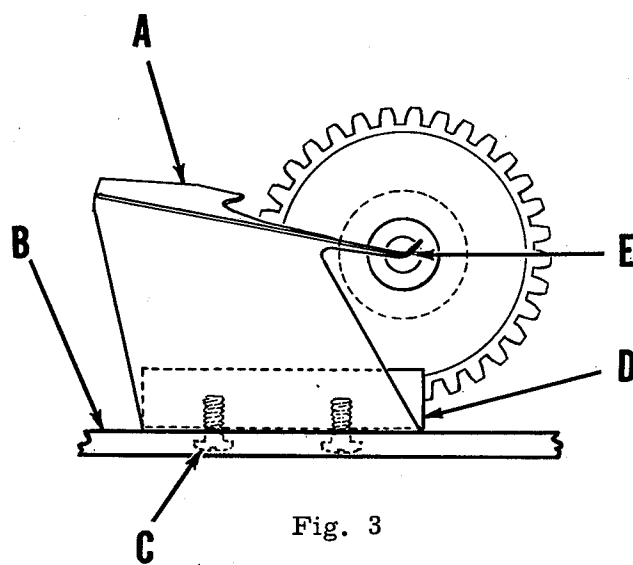
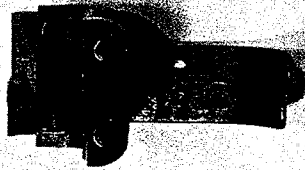


Fig. 3

Amt.	Part No.	Description	Amt.	Part No.	Description	Amt.	Part No.	Description
1	61130 G	Bottom for 61120 C	1	61263	Bushing for feed	1	61394 P	Housing Cover Oil
1	61132	Feed Driving Shaft			driving shaft			Distributing Plate
		(22743)			intermediate gear	1	61394 Q	Oil Distributing Plate
1	61132 C	Feed Driving Shaft	1	61264	Intermediate Gear			Retaining Block
		Oil Retaining			Shaft Collar, right			(22570 A)
		Bushing, left			(HA61 D)	1	61394 R	Gasket for 61394 Q
1	61137	Feed Driving	1	61264 A	Intermediate Gear	1	61394 AE	Oil Cup for filling
		Eccentric			Shaft Collar, left			main reservoir
1	61137 B	Looper Driving			(HA61 D)	1	61421	Handwheel Assembly
		Eccentric for	1	61265	Hand Lifter (22799 M)			for round or No. 1
		61100 B (96, 98)	1	61267	Lifter Lever Link for			"V" belt
1	61141	Looper Shaft Bushing			61100 A, 61100 C	1	61421 A	Pulley Hub
		(96 A)			(22758 B, 22892)	1	61432 B	Feed Driving Shaft
1	61141 G	Looper Drive Link (90)	1	61267 G	Spring Pin for 15872 F			Bushing, right
1	61141 R	Looper Holder (91,	1	61282 A	Housing Cover, left	1	61432 C	Feed Driving Shaft
		22894 C)			(22570 A, 22730)			Bushing, left
1	61149	Stitch Length Indica-	1	61282 D	Gasket for 61382 J	1	61432 D	Feed Driving Shaft
		tor for 61100 B	1	61282 E	Gasket for 61282 A			Oil Retaining
		(95, 96)	1	61285 G	Looper Driving			Bushing, right
1	61149 A	Stitch Length Indica-			Eccentric Strap			
		tor for 61100 A,	1	61293	Oil Tube for needle	1	61434 G	Washer for 63434 C
		61100 C (95, 96)			bar driving link	1	61437 A	Stitch Regulating
1	61149 G	Stitch Regulating	2	61293 N	Plug for inside of			Eccentric Timing
		Eccentric			arm			Collar (22564 B)
1	61149 H	Friction Disc for	1	61293 U	Oil Tube Coupling	1	61437 B	Stitch Regulating
		stitch regulating			Plug			Eccentric Pivot
		eccentric	1	61303 E	Edge Guide for			Pin
1	61151	Take-up Eyelet			61100 A, 61100 B(G26)	1	61437 C	Stitch Regulating
		(22585)	1	61321 J	Handwheel for 61421			Eccentric Housing
1	61152	Crank Pin for			(22574)			(719)
		61100 B	1	61321 L	Washer for handwheel	1	61438 C	Feed Driving Eccen-
1	61154	Needle Bar Bushing,	1	61322 B	Main Shaft			tric Connecting Rod
		lower	1	61330	Shank for 61120			(88)
1	61158	Presser Bar Connec-	1	61330 B-		1	61439	Feed Dog Holder
		tion for 61100 B		31	Hinge Pin for presser			(22528)
		(22892)			foot 61120 C	1	61439 A	Feed Dog Holder
1	61170	Needle Thread Guide	1	61330 B-				Support (88 D,
1	61173	Bed Slide Spring		35	Hinge Pin for 61120	1	61445	Stitch Regulating
		(91 A)	1	61330 AH	Shank for 61120 C			Plunger (22597 A)
2	61175	Machine Hinge Stud	2	61336 U	Feed Rocker Shaft	1	61447	Stitch Regulating
1	61193	Oil Tube for feed			Bushing			Plunger Lever
		driving eccentric	1	61336 Y	Feed Rocker Oil			Spring
		assembly			Wick (90)	1	61449 B	Spring for 61149 G
2	61193 A	Oil Tube Coupling	2	61342	Looper Shaft Collar	1	61449 E	Stitch Regulating
1	61233 N	Feed Lifter Link			(88)			Pawl Collar
			1	61348 A	Stitch Regulating			(22845 G, 22880)
1	61236	Feed Rocker			Shaft	1	61449 F	Stitch Regulating
1	61236 G	Feed Rocker Shaft	19	61351 K	Needle Bearing Roller			Pawl (22802 A,
		(22894 E)	1	61356	Presser Spring			51242 M)
1	61237	Looper Driving	1	61360	Main Shaft Driving	1	61449 H	Stitch Length Indica-
		Eccentric for			Gear (22884)			tor Insert
		61100 A, 61100 C	1	61360 G	Feed Driving Shaft	1	61457	Presser Bar
		(96, 98)			Collar (22884)	1	61457 B	Presser Spring
1	61245 G	Stitch Regulating	1	61366 C	Lifter Lever Exten-			Regulator
		Plunger Binding			sion Stud (652 B-20)	1	61457 C	Presser Bar Bushing,
		Insert	1	61367	Lifter Lever Link for			lower
1	61246 A	Stitch Regulating			61100 B (22758 B,	1	61458	Presser Bar Connec-
		Plunger Lever (93 A)	1	61368	Lifter Lever Connec-			tion for 61100 A,
2	61248 H	Stitch Regulating			ting Rod			61100 C (22892)
		Shaft Collar (531)	1	61368 A	Lifter Lever Connec-	1	61459 A	Presser Bar Guide
1	61252 J	Crank Pin for			ting Rod, complete			(77, 93 A)
		61100 A, 61100 C	1	61368 F	Foot Lifter Ball Crank	1	61466 A	Foot Lifter Lever
1	61254	Needle Bar Bushing,			Roller (22712 F)			(22890)
		upper	1	61382 J	Housing Cover, right	1	61468	Lifter Lever Bell
1	61255	Needle Bar Connec-			(22570 A)			Crank (22817 A,
		ting Stud (22562 A)	1	B61382 H	Head Cover (22569 B)			22874 F)
1	61255 H	Needle Bar Link	1	61391 D	Main Shaft Counter-	1	61490	Main Shaft Bushing,
		(22757 C)			weight (22570 B,			right
1	61256 G	Presser Spring			22596 D, 22880,	1	61490 A	Main Shaft Bush., left
		Washer			22894 V)	1	62262	Intermediate Gear
1	61260 A	Feed Driving Shaft						Shaft (22597 A)
		Gear (22884)	1	61393 B	Oil Tube for left	1	63434 C	Feed Bar (22845 D)
1	61261 A	Feed Driving Shaft			main bearing	2	63435 A	Feed Bar Shaft
		Intermediate Gear				1	81292	Tension Post

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



61120A



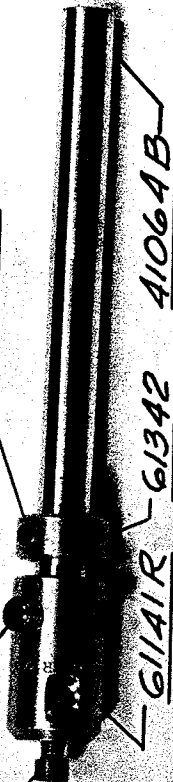
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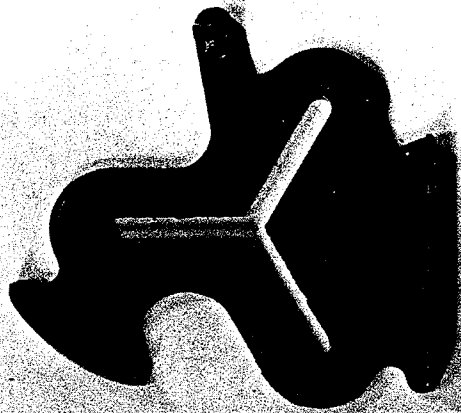
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51430F
22840R

91- 22894C(2) 88(2)



61141R 61342 41064B



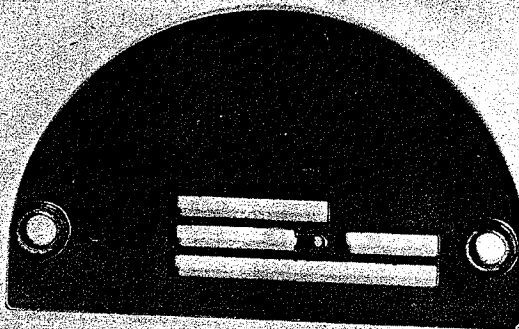
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61108A



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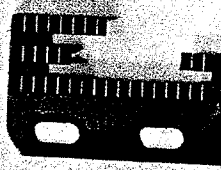


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22768(2)



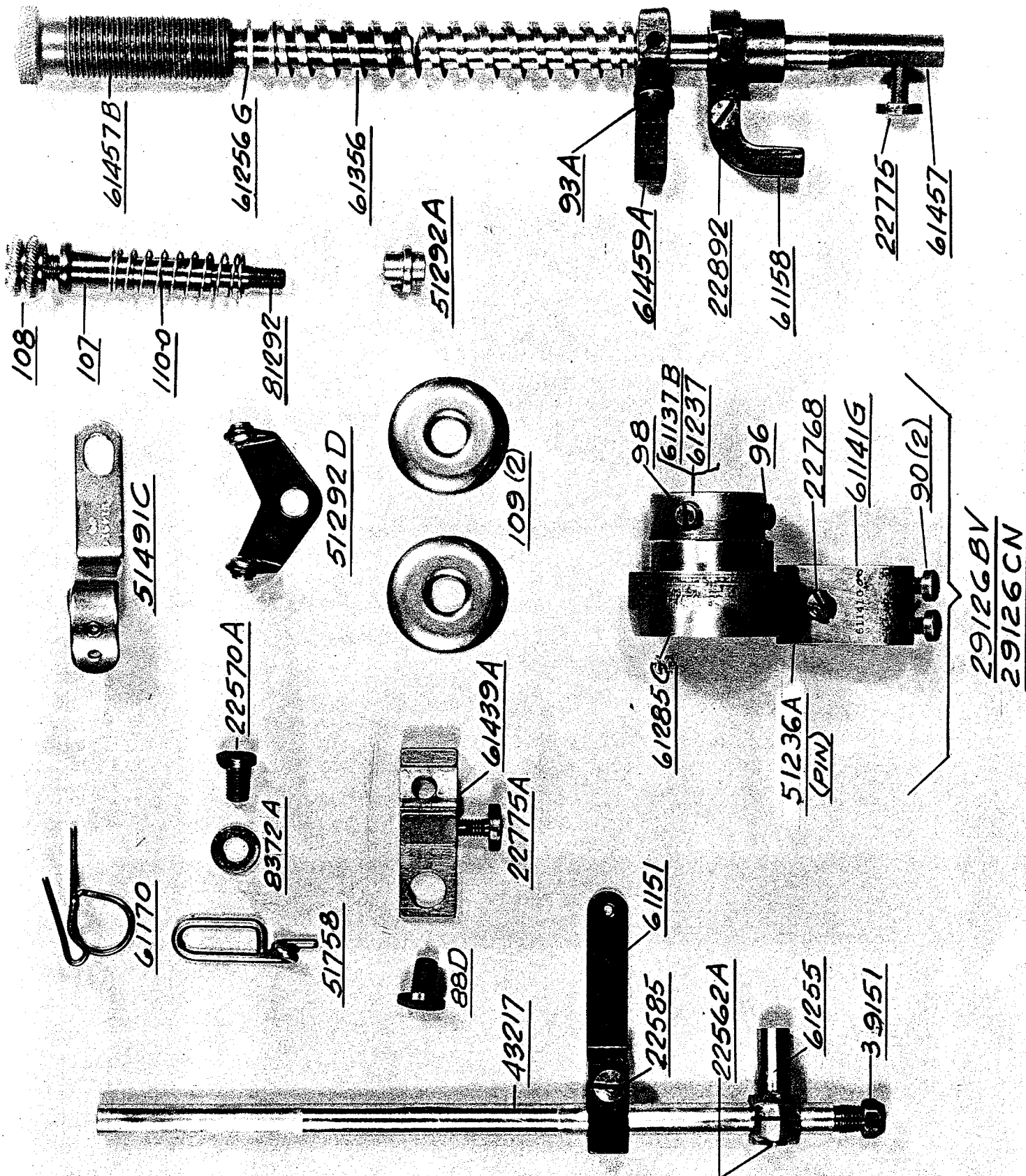
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22528



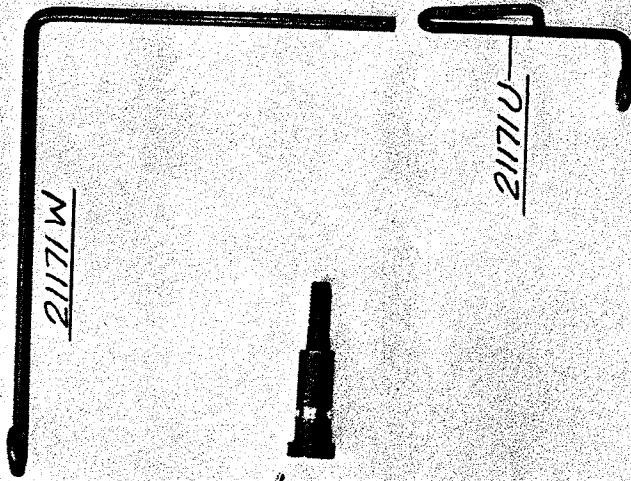
22576

753



21114W



258A (2)


21175


21171W



21171V


21171V


22585C


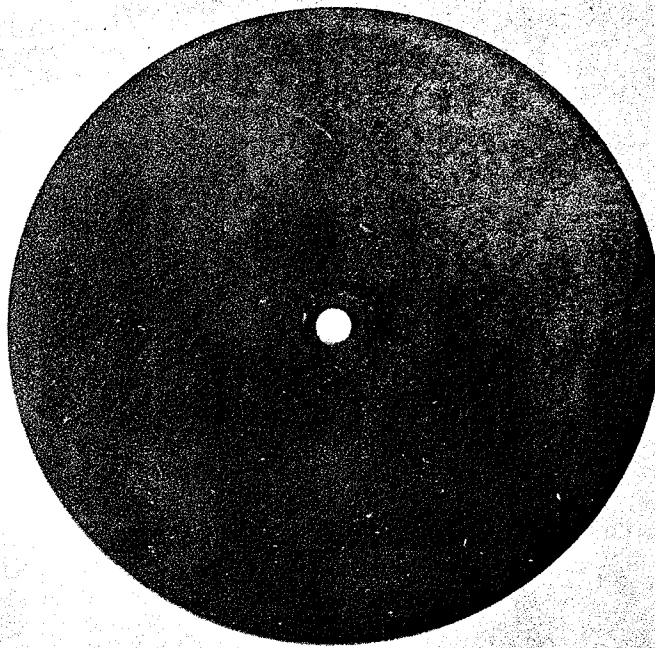
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21114 (2)


21171R

22570A (2)

61394Q

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61394P

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91A(2)

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61382J

61282D

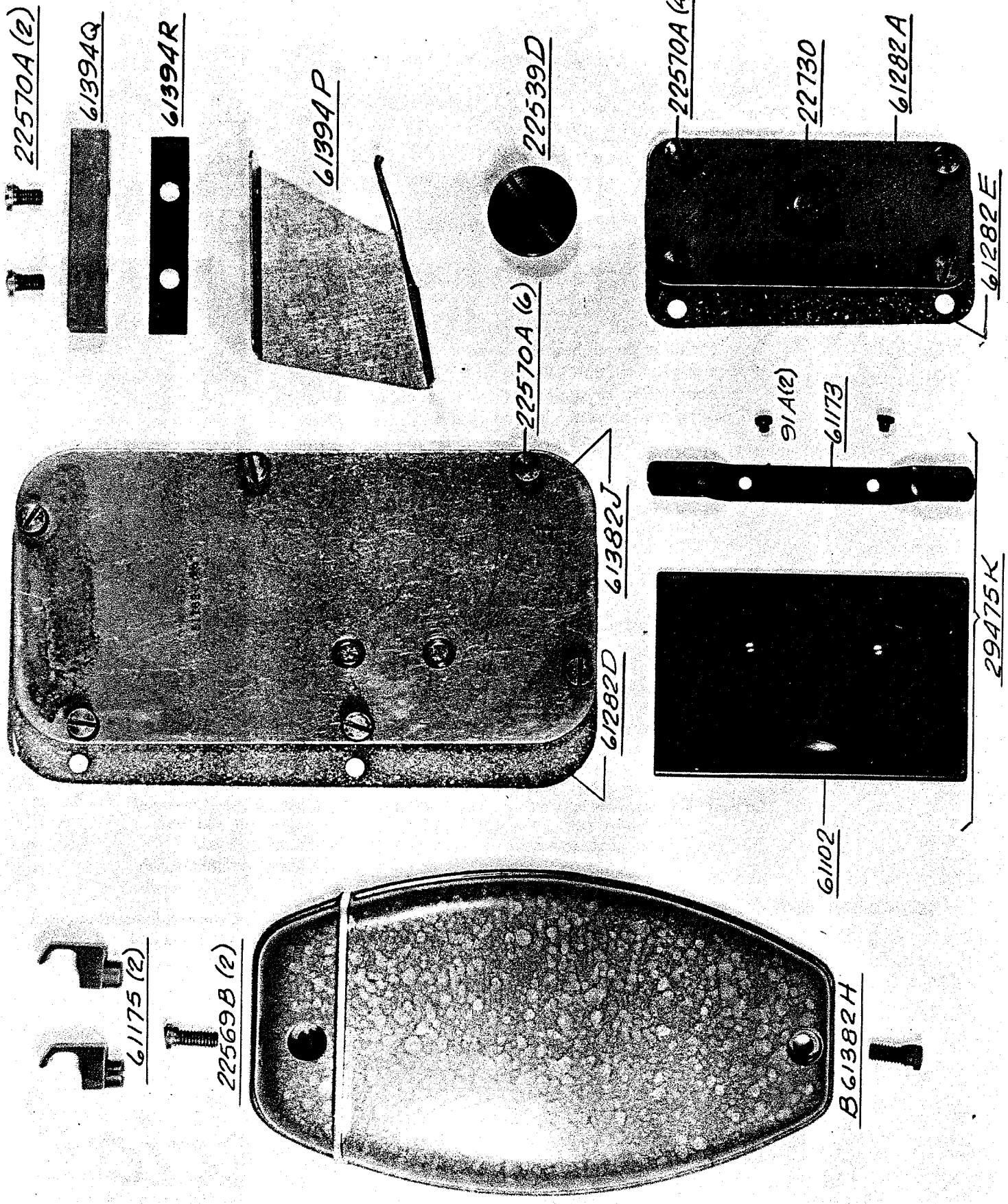
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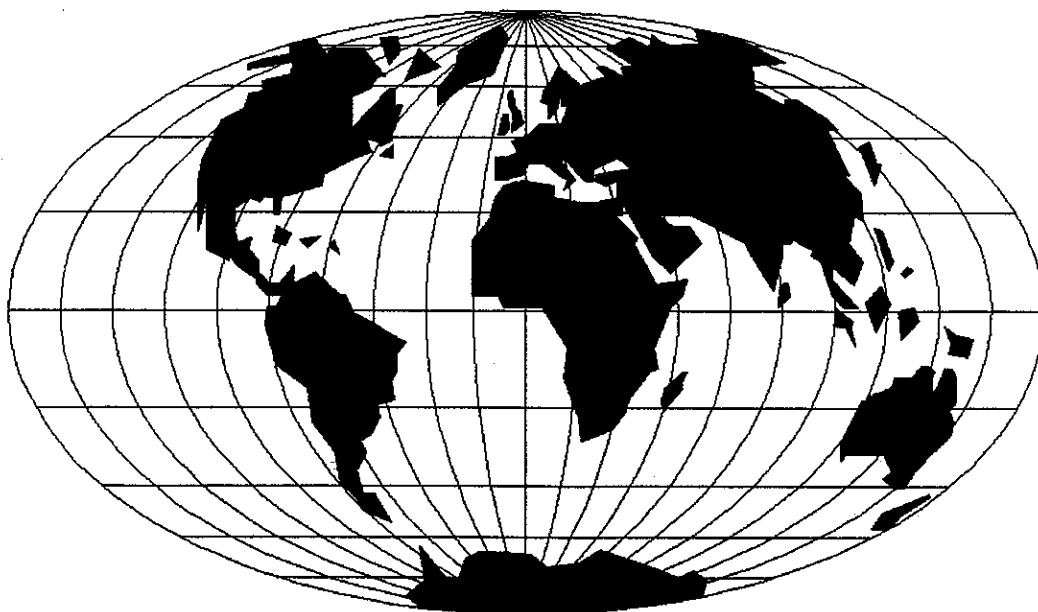
B61382H

61175 (2)

22569B (2)

B61382H





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