



Union Special[®]
INDUSTRIAL SEWING EQUIPMENT

STYLES

**ADJUSTING INSTRUCTIONS AND
ILLUSTRATED PARTS LIST**

**63400A
63400B**

**STREAMLINED HIGH SPEED LOCKSTITCH
MACHINES**

**CATALOG
NO. 121M**

**SECOND
EDITION**

SECOND EDITION
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IDENTIFICATION OF MACHINES

Each UNION SPECIAL machine is identified by a Style number which is stamped into 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 63400 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: "Style 63400 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: "Class 63400".

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 Styles of machines in this Class. Reference to direction, such as right, left, front, back, etc., are given from the operator's position while seated at the machine. Operating direction of the handwheel is toward the operator.

STYLES OF MACHINES

High Speed Streamlined Long Arm Lockstitch Machines, One Needle, Light, Medium and Heavy Duty, Drop Feed, Rotary Hook, Horizontal Hook Shaft, Push Button Stitch Regulator, Stitch Length Indicator, One Reservoir Enclosed Automatic Lubricating System, Head Oil Siphon, Adjustable Hook Oil Control, Automatic Head Oiling, Needle Bearing Adjustable Feed Eccentric, Needle Bearings for Take-up Lever and Needle Bar Driving Link, Feed Timing on Lower Main Shaft, Maximum Work Space to Right of Needle Bar 11 1/8 Inches.

*63400 A For miscellaneous plain seaming operations on light and medium weight work, 1 9/64 inch needle bar travel. Type 183 GXS or 183 GYS needle. Specify presser foot, throat plate, feed dog, stitches per inch, thread size, needle type and size, attachments and guides.

63400 B For miscellaneous plain seaming operations on medium and medium heavy weight work, 1 13/64 inch needle bar travel. Type 180 GXS or 180 GYS needle. Specify presser foot, throat plate, feed dog, stitches per inch, thread size, needle type and size, attachment and guides.

* DISCONTINUED - In most instances, component parts can be ordered for customer repair.

NEEDLES

Each needle has both a type and 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 largest diameter of the blade measured across the eye. Collectively, the type number and the size number represent the complete symbol.

Needle Type 180 GXS or 180 GYS is recommended for Style 63400 B and needle Type 183 GXS or 183 GYS is recommended for Style 63400 A. Their description and the sizes available are listed below.

| <u>Type No.</u> | <u>Description and Sizes</u> |
|-----------------|---|
| 180 GXS | Round shank, round point, lockstitch, short length, ball eye, single groove, wide angle groove, struck groove, deep spot, ball point, chromium plated - sizes 075/029, 080/032, 090/036, 100/040, 110/044, 125/049, 140/054, 150/060. |
| 180 GYS | Round shank, round point, lockstitch, short length, ball eye, single groove, wide angle groove, struck groove, deep spot, chromium plated - sizes 075/029, 080/032, 090/036, 100/040, 110/044, 125/049, 140/054, 150/060. |
| 183 GXS | Round shank, round point, lockstitch, extra short length, ball eye, single groove, wide angle groove, struck groove, deep spot, ball point, chromium plated - sizes 025, 075/029, 080/032, 090/036, 100/040, 110/044. |
| 183 GYS | Round shank, round point, lockstitch, extra short length, ball eye, single groove, wide angle groove, struck groove, deep spot, chromium plated - sizes 028, 080/032, 090/036, 040, 044. |

NEEDLES (Continued)

To have needle orders promptly and accurately filled, an empty package, a sample needle, or the type and size number should be forwarded. Use description on label. A complete order would read: "1000 Needles, Type 180 GXS, Size 080/032".

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.

SELECTING THE SIZE OF THE NEEDLE

The strength requirement of the seam produced is largely dependent upon the size of the thread employed.

The following table shows the preferred size of needle for a given size and kind of thread. The choice, however, should give consideration to factors referred to above, which may dictate the selection of a needle size slightly larger or smaller than the size specified.

| <u>Cotton Thread Size</u> | <u>Mercerized Thread Size</u> | <u>Needle Size</u> |
|-------------------------------|-----------------------------------|------------------------|
| 0 | - | 150/060 |
| 30 | B | 140/054 to 150/060 |
| 36 | A | 125/049 to 140/054 |
| 40 | A | 110/044 to 125/049 |
| 50 | 0 | 110/044 to 125/049 |
| 60 | 00 | 100/040 to 110/044 |
| 70 | 000 | 090/036 to 100/040 |
| 80 | 0000 | 080/032 to 090/036 |
| 90 | 0000 | 080/032 to 090/036 |
| 100 | - | 075/029 to 080/032 |

IDENTIFYING PARTS

Where the construction permits, each part is stamped with its part number. Parts too small for a complete catalog stamping are identified by letter symbols which distinguish one part from another that is similar in appearance.

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

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

ORDERING OF REPAIR PARTS

ILLUSTRATIONS

The arrangement of this catalog is to facilitate easy and accurate ordering of Class 63400 replacement parts.

Six exploded view plates cover the Standard Styles listed in this catalog. Each plate presents a sector of the machine, parts being aligned as in their assembled position. Small keyline views show by a blackened area exactly where the parts being discussed fit in the assembled machine. On the page opposite the illustration will be found a listing of the parts with their part numbers, descriptions and the number of pieces required in the particular view being shown.

Numbers in the first column are reference numbers only, and merely indicate the position of the part in the illustration. Reference numbers should never be used in ordering parts. Always use the part number listed in the second column. Each exploded view plate carries a reference number for each part for sale.

Sub-assemblies, which are sold complete, or by separate part, are in a bracket or a solid line box on the picture plate. Component parts of sub-assemblies, which can be furnished for repairs, are indicated by indenting their descriptions under the description of the main sub-assembly. Example:

| | | | |
|----|----------|--|---|
| 20 | 29126 DD | Feed Driving Eccentric and Connecting Rod Assembly ----- | 1 |
| 21 | 61438 B | Feed Drive Eccentric Connecting Rod ----- | 1 |
| 22 | 660-225 | Needle Bearing ----- | 1 |
| 23 | 88 | Set Screw ----- | 1 |

In those cases where a part is common to all of the machines covered by this catalog, no specific usage will be mentioned in the description. However, when the parts for the various machines are not the same, the specific usage will be mentioned in the description, and, if necessary, the difference will be shown in the illustration.

At the back of the book will be found a numerical index of all the parts shown in this book. This will facilitate locating the illustration and description when only the part number is known.

USE GENUINE REPAIR PARTS

Success in the operation of these machines can be secured only with genuine UNION SPECIAL Repair Parts as furnished by the Union Special Corporation, its subsidiaries and authorized distributors. They are designed according to the most approved scientific principles, and are made with utmost precision. Maximum efficiency and durability are assured.

TERMS

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

INSTALLING

CAUTION! When unpacking, **DO NOT** lift machine out of box by placing one hand on handwheel. Using both hands on bed casting, lift gently.

Before leaving factory, each UNION SPECIAL machine is sewed off, inspected and carefully packed. After the machine and accessories have been removed from the packing box, the following steps should be followed:

PREPARATION OF MACHINE FOR INSTALLATION

A bag of assembly parts, consisting of one frame thread eyelet, one eyelet attaching screw, one extra bobbin, two hinge studs, and two screws for holding miscellaneous attachments to the bed plate, is packed with each machine.

Insert hinge studs in holes provided for them in rear of cloth plate. Assemble the upper frame eyelet (A, Fig. 2).

STANDARD ACCESSORIES

Included also with each machine is a box of STANDARD ACCESSORIES--containing one bobbin winder assembly, the machine mounting frame, one oil drain jar and its clamp spring, one knee lifter assembly and its rubber pad, bed positioning spring and screw, four isolator pads and clips, and one machine rest pin. These parts are essential when setting up the machine.

TABLE TOPS

Lockstitch machines are installed in table tops, prepared with cut-out, so that the bed plate is FLUSH with the top of the machine mounting frame.

MACHINE MOUNTING FRAME INSTALLATION

On a suitable tableboard, place machine mounting frame (21393 N) in the machine cut-out with the hinge lugs to the rear (Fig. 1). Insert the countersunk wood screw through left hinge pad and tighten securely. Assemble bed positioning spring (63474 A) over right hinge pad; insert round head wood screw and tighten securely. Assemble the retaining plate (21393 R) to outside front of pan section, as shown, and snug up nuts lightly.

Place sewing head in the frame mounting, and after being sure there is about 1/16 inch clearance between the cloth plate edge and the frame sides, rap the retaining plate smartly upward with a hammer to insure a good grip on the underside of the board and tighten locking nuts securely.

Tip machine back against rest pin, and assemble the knee press assembly as shown. All end play of the cross shaft should be taken up by the cone bearings, but must not bind.

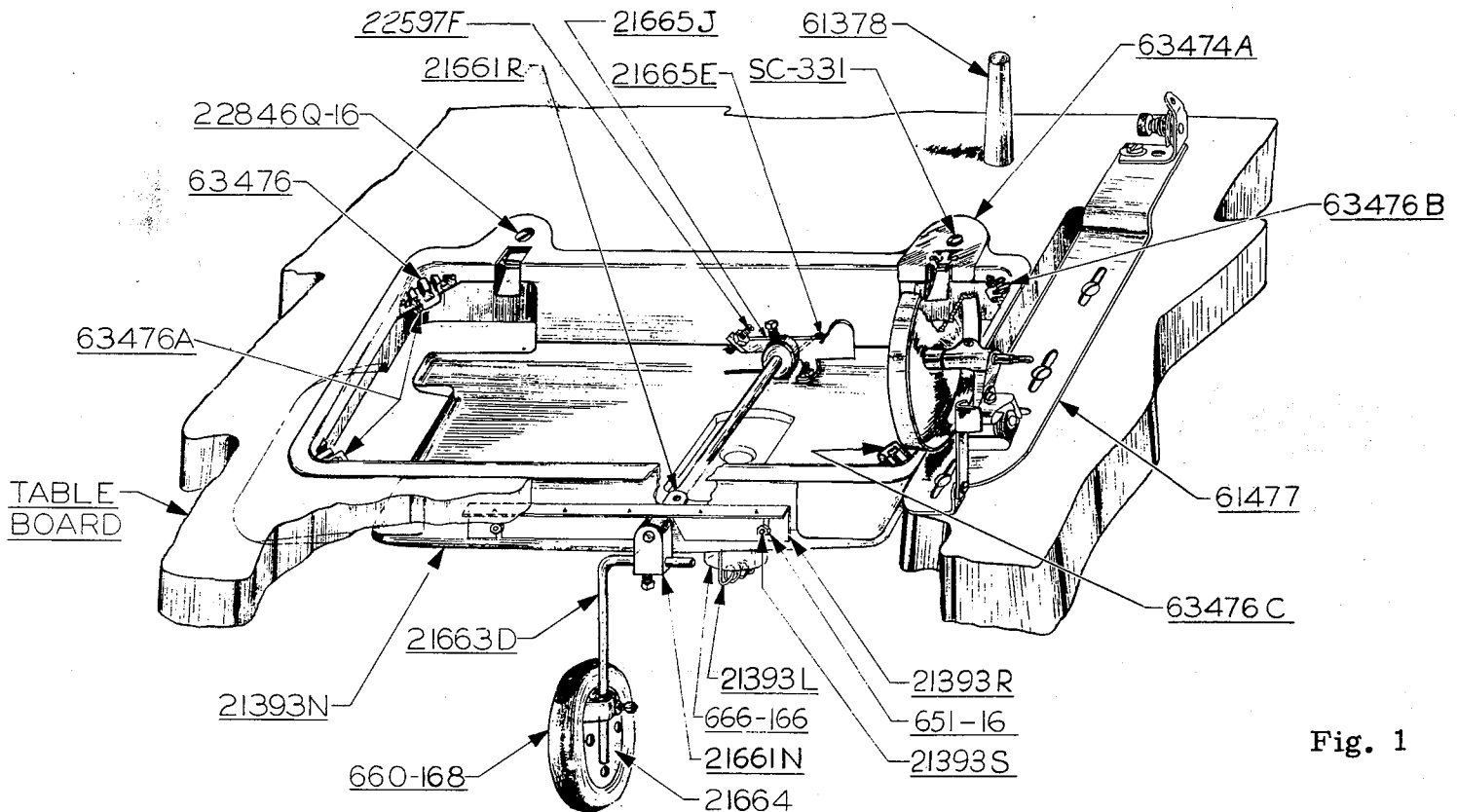


Fig. 1

INSTALLING (Continued)

MACHINE MOUNTING FRAME INSTALLATION (Continued)

Before the machine is put into production, the bell crank (21665 J) of the knee lifter rod should be adjusted. The left stop screw (22597 F) should be set so that the maximum lift of the presser bar and its parts do not interfere with moving parts within the head. This may be done by setting the stop screw so that the presser bar raises approximately 5/16 inch.

BOBBIN WINDER

The bobbin winder should be secured to the table top so that its pulley will be located directly in front of the sewing machine belt and will bear against the belt when in operation. The base of the winder has two elongated attaching holes, which allow the mechanism to be moved closer to or farther away from belt as needed. The pulley of the winder, when in operation, should exert only enough pressure against the belt to wind the bobbin. Regulation and operation of the bobbin winder is described under "Winding the Bobbin", under OPERATOR'S INSTRUCTIONS.

BELTS

These machines are equipped to use either #1 "Vee" or round belts.

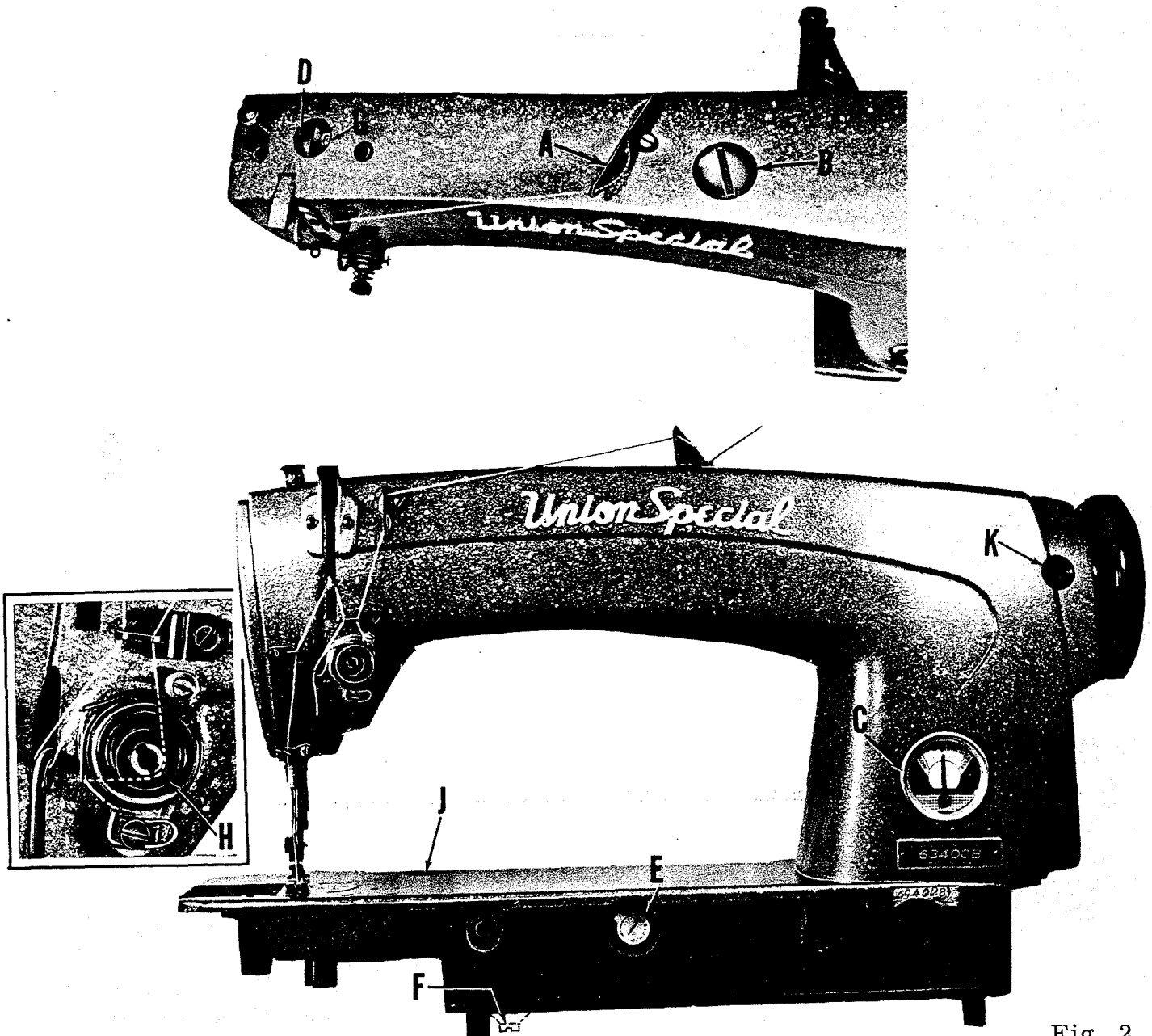


Fig. 2

LUBRICATION

CAUTION! Oil has been drained from the main reservoir before shipment and the reservoir must be filled before starting to operate.

Lubricate machine thoroughly, in accordance with instructions which follow, and run slowly for several minutes to distribute the oil to the various parts. Full speed operation can then be expected without damage.

RECOMMENDED OIL

Use a stainless water-white straight mineral oil of a Saybolt viscosity of 90 to 125 seconds at 100° Fahrenheit in the main reservoir. This is equivalent to Union Special specification No. 175. Fill main reservoir at plug screw (B, Fig. 2) and check oil level at gauge (C); oil is at maximum level when needle is in yellow band marked "full". Oil should be added when needle is in yellow band marked "low".

It is recommended that a new machine, or one that has been out of service for an extended period, be lubricated as follows: Remove the end cover and directly oil the bearings of the needle bar link, take-up and its lever and needle bar. Replace end cover as no further hand oiling will be required.

CAUTION! The machine is provided with automatic or manual head mechanism oil control. The oil control dial (D, Fig. 2) is shown in the automatic oiling position, and should manual oiling of the head mechanism be desired, remove locking screw (G, Fig. 2) and turn dial 180° to expose the manual oiling port. In the manual oiling position, five or six drops of oil should be introduced into the oiling port twice daily - preferably at starting time and mid-day.

Oil may be drained from main reservoir by removing plug screw (F, Fig. 2).

OIL GAUGE

The oil gauge is set at the factory to show the proper oil level in the reservoir. Should an adjustment become necessary, the following steps should be followed:

1. Place the machine upright on a level table or bench.
2. Remove the reservoir plug screw (located below the handwheel and near the bottom of the machine).
3. Oil should be added or removed so that the oil level is approximately 1/8 inch below the bottom edge of the hole.
4. Loosen the lock nut on the calibrating screw, and turn the screw left or right so that the gauge needle rests on the yellow band marked "FULL" on gauge (C, Fig. 2).
5. Tighten lock nut and replace plug screw.

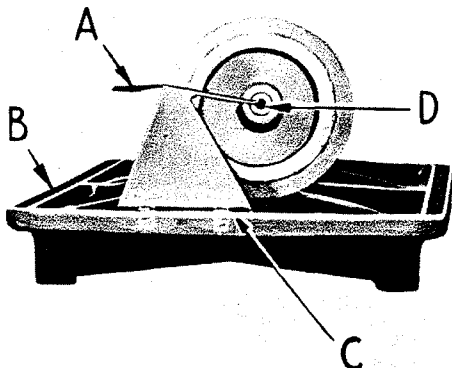


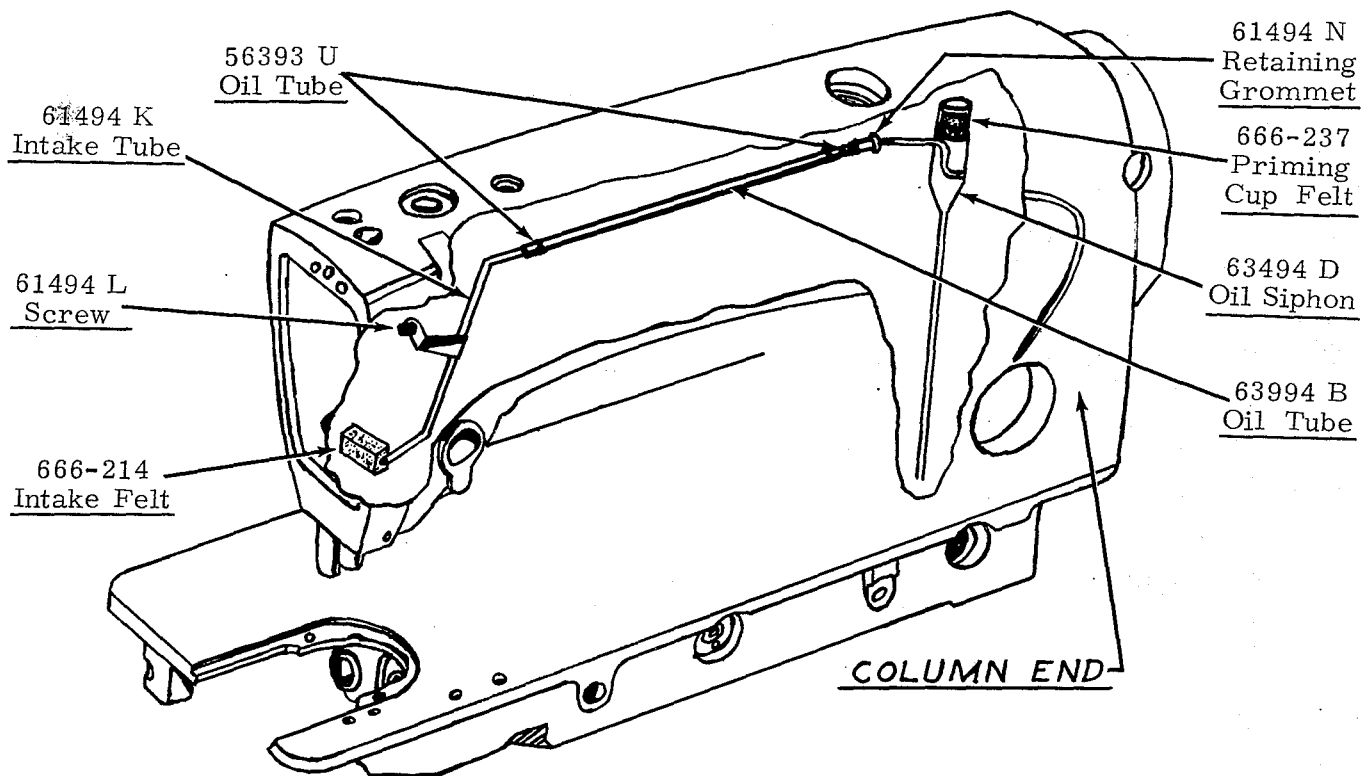
Fig. 3

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

Should it become necessary to remove the reservoir cover, it is imperative that the adjustment of the oil distributing plate (A) be checked very carefully. This can be done by removing the large plug screw at the right end of the reservoir and looking through the hole. The low point of the oil distributing plate must be even with or slightly below the center of shaft (D) and just touching it.

SELF-PRIMING HEAD OIL SIPHON

Class 63400 machines are equipped with a self-priming head oil siphon. When the machine is started, oil splashes on the priming cup felt, filters through the felt and trickles down the vertical oil tube, thus priming the siphon. Once the prime is established, it is maintained, unless the felts are removed. The siphon operates twenty-four hours a day, removing oil that accumulates in the head, even when the machine is not running.



INSTALLING AND MAINTENANCE OF OIL SIPHON

The felt in the priming cup is designed for a specific purpose. This felt, No. 666-237 is thin and relatively dense to meter the flow of priming oil and to prevent the entrance of air. The felt, at the intake of the siphon, keeps the siphon clear of lint, and prevents the entrance of air at that point.

A newly installed siphon starts its action within five to ten minutes after the machine is operating. However, it may be forty minutes or so before the air is removed from the line and the siphon is in full operation.

When a customer receives a new machine, it has probably been turned upside down in shipping, oil has accumulated in the head, and the siphon may not be primed. It will, however, automatically reprime itself when run. After the first day of operation, the siphon can be checked by inspecting the tygon tube at the junction visible at the presser foot lifter arm to be sure it is full of oil.

The siphon may also be checked by removing the head cover and wetting the inlet felt with oil. The felt should visibly dry out as the oil is drawn into the siphon.

If the siphon felts become clogged and the siphon does not function properly, change the felts as follows:

To change the inlet felt, remove the inlet tube with the tygon tube disconnected only at the column end. Replace the felt and reassemble.

To change the prime cup felt, first remove the access plug screw at the rear of the column. Remove felt with a tweezers. Replace with a new felt being sure the felt is pushed down tightly into the prime cup.

INSTRUCTIONS FOR OPERATORS

THREAD

While the direction of the twist in the bobbinthread is immaterial, the direction of the hook rotation favors the use of a left twist thread in the needle. To determine the direction of twist, grasp a short length of thread between thumb and forefinger of each hand. Turn the thread away from you with your right hand. If the strands unwind, it is a left twist, if not, it is a right twist.

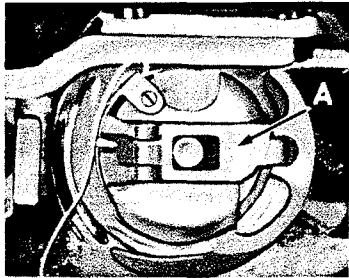


Fig. 4

REMOVING THE BOBBIN CASE

To remove the bobbin case, turn handwheel in operating direction until the needle reaches its highest position. Using the left hand, reach under the table, open the bobbin case latch (A, Fig. 4), and pull the bobbin case out of the sewing hook.

Opening the latch retains the bobbin in the case. When the latch is closed, the bobbin is released and can readily be removed.

WINDING THE BOBBIN

Thread the bobbin winder by leading the thread from the supply down through the eyelet (A, Fig. 5), down between the tension discs, and under the tension post. Press an empty bobbin on the winder shaft (B) up to the stop, wind the end of thread around the bobbin a few turns in a clockwise direction, and press downwardly on hand lever (D) until pulley is moved into contact with machine belt, and is locked in that position. When the machine is operated, the bobbin will be rotated and filled until the thread engages the automatic throw-out member, which disengages the pulley. The extent to which the bobbin is filled can be varied by regulating the screw (C).

The tension post bracket is mounted on the winder base, and can be shifted from left to right by loosening screw (E) so that any tendency of the bobbin to wind unevenly may be readily corrected.

The purpose of the bobbin winder is to assure an operator of a full bobbin at all times. When the bobbin in the machine is used up, replace it with the full one, and begin to wind the empty one immediately. Bobbins can be rewound while the machine is sewing.

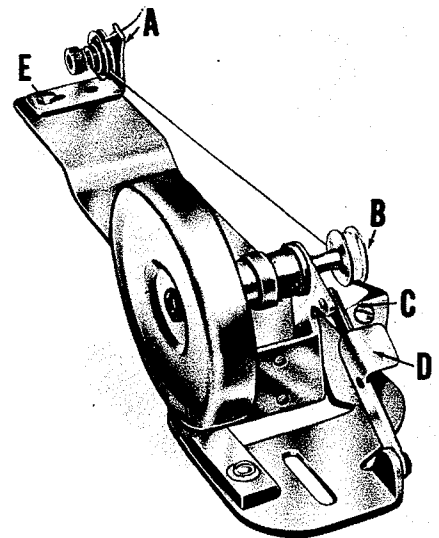


Fig. 5

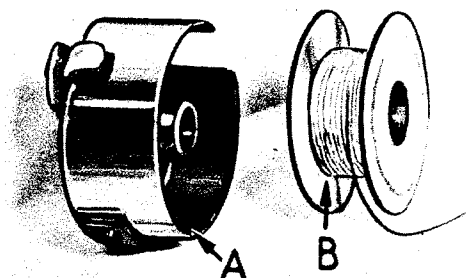


Fig. 6

THREADING THE BOBBIN CASE

The bobbin case should be held between the thumb, forefinger and second finger of the LEFT hand (A, Fig. 6).

The bobbin itself should be held between the thumb and forefinger of the right hand (B, Fig. 6) with thread coming off the bottom of the bobbin.

INSTRUCTIONS FOR OPERATORS (Continued)

THREADING THE BOBBIN CASE (Continued)

Place the bobbin in the bobbin case. In one continuous motion, with the thumb and forefinger of the right hand, draw the bobbin thread through the diagonal slot in bobbin case (A, Fig. 7) under the tension spring (B) and into self threading eyelet (C) on case. Note the direction of the rotation of the bobbin as the end of the thread is pulled when looking at the bobbin case from the back. The bobbin should rotate counterclockwise.

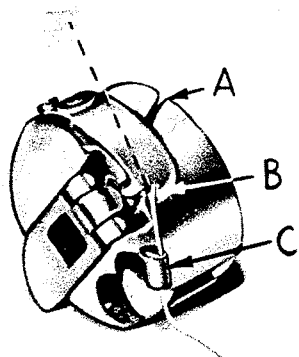


Fig. 7

REPLACING THE BOBBIN CASE

Have the needle bar at its highest position, allow about two and one half inches of thread to hang free. The bobbin case latch should be opened with the left hand, and by reaching under the table and through the opening in the table, it should be placed part way into the sewing hook. The latch should then be released and bobbin case snapped into position.

INSERTING THE NEEDLE

Insert the needle into the needle bar as far as it will go with the spot (sometimes called scarf) toward the right, facing the handwheel. Tighten set screw securely.

The cross hole in the needle bar, about 1/4 inch from the end (A, Fig. 8), is to show the operator when the needle has been inserted as far up as it will go, and to provide a means for cleaning the accumulated lint from needle hole so the needle will seat properly.

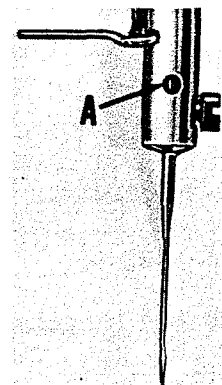


Fig. 8

THREADING THE NEEDLE

Threading diagram (Fig. 2) shows the places where the needle thread passes. Please note that the needle thread passes through the needle eye from left to right.

PREPARATION FOR SEWING

With your left hand, hold the end of the needle thread, leaving it slack, and turn the handwheel in operating direction until the needle moves down and up again to its highest position. Pull up the needle thread and the bobbin thread will come up with it through the needle hole in the throat plate. Draw both threads under the presser foot.

TENSIONS

A perfect stitch is one in which the needle thread and bobbin thread are locked together in the center of the material being sewed. A stitch of this kind is secured by regulating the tensions on both threads.

BOBBIN THREAD TENSION

The tension on the bobbin case is applied by means of a set screw (A, Fig. 9) which regulates tension spring (B). The tension on the spring is correct when it is just sufficient to hold the bobbin case and bobbin suspended by the bobbin thread. The thread should not be in the eyelet for this adjustment check.

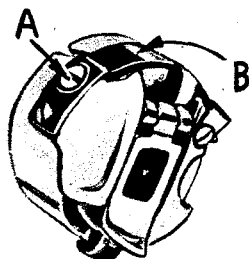


Fig. 9

INSTRUCTIONS FOR OPERATORS (Continued)

BOBBIN THREAD TENSION (Continued)

Remove the bobbin case from its holder and turn set screw in spring in a clockwise direction to apply more tension or counterclockwise to release tension.

When the bobbin thread tension is correct, it rarely becomes necessary to make any changes as varying the needle thread tension will usually attain a good stitch.

NEEDLE THREAD TENSION

The needle thread tension is varied by turning the tension regulating nut (H, Fig. 2). Turning the nut in a clockwise direction increases the tension, while counterclockwise decreases it. This should not be done when the presser foot is in its raised position, but is generally done while the machine is sewing on a piece of scrap material.

TO CHANGE THE STITCH LENGTH

Press plunger (J, Fig. 2) in firmly. While holding plunger in, turn handwheel in operating direction until stitch regulating finger is felt to drop into the slot of feed eccentric. Continuing to hold the plunger in, turn handwheel in operating direction to increase the stitch length and in opposite direction to decrease the stitch length.

Stitch lengths are indicated by graduations on the indicator dial and are viewed through the window in the belt guard (K, Fig. 2).

PRESSURE ON MATERIAL

The presser spring should exert only enough pressure to make the work feed uniformly. To increase the pressure on the presser foot, turn presser spring regulator (A, Fig. 10) in clockwise direction. Turning the regulator counterclockwise decreases the pressure.

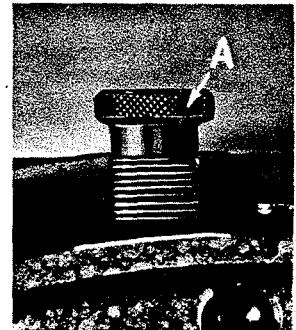


Fig. 10

INSTRUCTIONS FOR MECHANICS

SETTING THE NEEDLE BAR TO HEIGHT

The lower needle bar bushing, the one to which the needle bar is timed, is set at the factory. The distance from the bottom of bushing (A, Fig. 11) to the throat plate seat is $2 \frac{1}{4}$ inches.

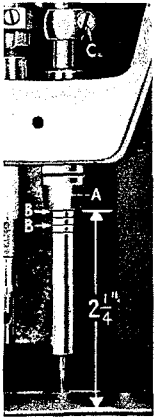


Fig. 11

The four lines engraved on the needle bar are used in setting needle bar to height and are referred to as TIMING LINES. The two upper lines are used with the extra short length needle Type 183 GXS or 183 GYS, which are recommended for Style 63400 A.

The two lower lines are used with the short length needle Type 180 GXS or 180 GYS, which are recommended for Style 63400 B.

When the needle bar is at its lowest position, the upper timing line (B, Fig. 11) (of the pair selected) dependent upon the needle used, should be EVEN with the lower edge of the lower needle bar bushing (A).

To change the position of the needle bar, turn the handwheel until the bar is at its lowest position. Then, loosen the clamp screw (C) and move the bar to the proper timing line. Keeping the needle bar link at its lowest position, tighten screw securely.

The illustration (Fig. 11) shows the proper setting of the needle bar on Style 63400 A, using extra short length needle, Type 183 GXS or 183 GYS. The setting of the needle bar on Style 63400 B, using short length needle, Type 180 GXS or 180 GYS, is accomplished in the same manner, except that the lower pair of timing marks on the bar is used.

TIMING THE HOOK

Tip the machine back so that it rests on the rest pin in the table top. Insert a new needle. Loosen the two screws and swing out the bobbin case positioning finger (A, Fig. 12). Loosen the three set screws (B) in the hook and hold the hook and bobbin case holder in such a position as to prevent interference with the needle. Turn the handwheel in operating direction until the needle bar is at its lowest position and continue to turn the handwheel until the needle is ascending and the lower timing mark (of the pair selected) (Fig. 11) used in setting the needle bar is even with the lower edge of the needle bar bushing (A).

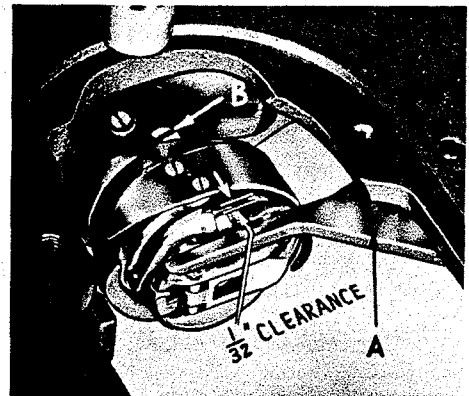


Fig. 12

Turn the hook on the shaft until the point of the hook is even with the center of the needle and as close to the needle as possible without deflecting it. A spacing of .003 to .005 inch between the needle and the point of the hook is satisfactory. With the hook in this position, tighten the set screw opposite the hook point securely. Then, tighten the two remaining screws securely and recheck the timing of the hook with the needle, at which time, the top of the eye of the needle should be about $\frac{1}{64}$ inch below the bottom of the hook point. If this condition does not exist, recheck the setting of the needle bar bushing in relation to the throat plate seat (Fig. 11).

Adjust the bobbin case holder positioning finger by turning the bobbin case holder until the finger recess is at the top. Place the projection on the finger into the bobbin case holder recess and tighten the finger attaching screws securely, allowing $\frac{1}{32}$ inch clearance between the outside edge of projection and the inside edge of bobbin case recess (Fig. 12).

INSTRUCTIONS FOR MECHANICS (Continued)

NEEDLE GUARD INSTRUCTIONS FOR NO. 29474 P

In the hook, at the right side of the needle hole in the bobbin case holder (B, Fig. 13) is found a needle guarding surface (A, Fig. 13).

The purpose of this guarding surface is to prevent the hook point (C) from coming in contact with the needle (D) at loop-taking time, should the needle be deflected toward the hook point. The needle guard will deflect the needle slightly, when needle is at bottom of its vertical travel, if the hook is properly timed. (At loop-taking time, there should be little or no deflection of needle by the needle guard.)

For additional needle clearance, especially with use of size .048 and larger needles, removal of some needle guarding surface may be necessary.

Before metal removal from the guarding surface, all related settings should be checked as follows:

1. See that the needle bar is set to correct height.
2. Check for proper hook timing.
3. Rotate handwheel in operating direction by hand. Check for excessive needle deflection beyond what is cited above as a desirable condition.
4. If needle deflection is excessive, follow steps 1 and 2 below.
 - (1) Remove bobbin case holder from hook.
 - (2) Remove excess metal from needle guarding surface. This may be done by using a 1/8 inch strip of fine emery cloth (#320), with one end secured to the bench and rubbing the guarding surface back and forth until sufficient metal is removed. When metal is being removed from needle guarding surface, the bobbin case holder should be re-inserted frequently and tested until proper needle guarding is obtained.

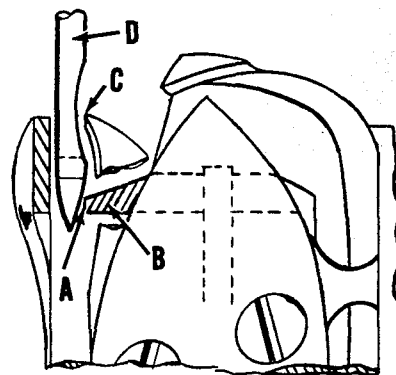


Fig. 13

CAUTION! Damage to hook point may result if too much metal is removed from needle guarding surface.

The bobbin case holder should be thoroughly cleaned before re-assembly into hook base.

When altering needle guarding surface, it is suggested the hook NOT BE REMOVED or disturbed from its timed position.

Bobbin case holder only may be removed by removing gib screws and gib and by pulling on bobbin case stem as the handwheel is rocked backwards and forwards slightly.

HOOK LUBRICATION

CAUTION! Do not run the machine without the bobbin case in the hook as hook damage may result.

With the bobbin case in the hook, run the machine for a full minute. Place a piece of white paper directly under the hook and continue running the machine. After about five seconds, remove the paper and a definite and distinct pattern of oil spots should be observed.

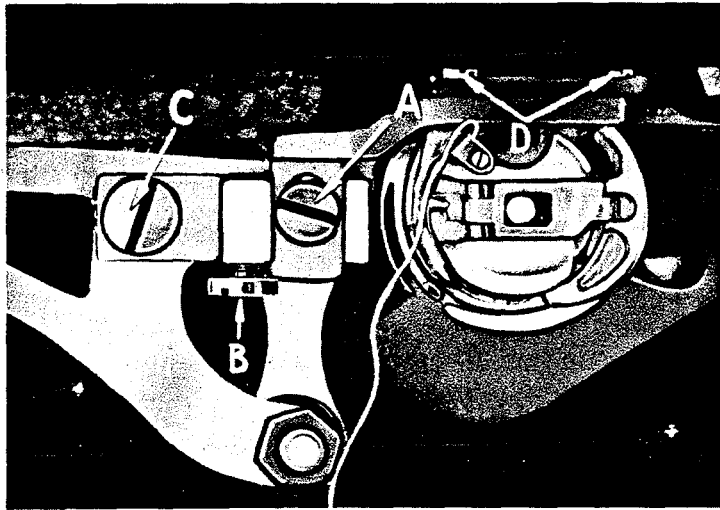


Fig. 14

should be turned either clockwise, to raise the feed dog, or counterclockwise to lower it. Make sure that the bottom of the shank of the feed dog holder rests against the head of the regulating screw.

A suggested initial setting is as follows: Feed dogs having 22 or more teeth per inch should show about $\frac{3}{64}$ inch above the throat plate at highest point of travel. Those having 16 or less teeth per inch should show the depth of a full tooth above the throat plate.

The feed dog can be tilted up or down as required by loosening screws (A and C).

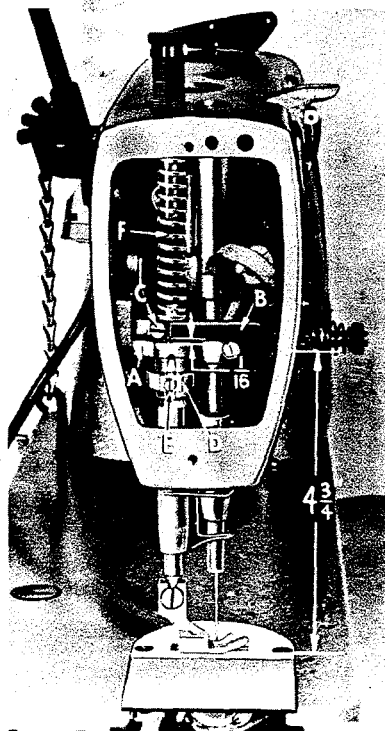


Fig. 16

Loosen feed dog holding screws (D) to space the feed dog, front to back or sideways in the throat plate.

PRESSER BAR CONNECTION

The presser bar connection (A, Fig. 16) should be set so that it is about $\frac{1}{16}$ inch below the presser bar guide (B). This is accomplished by tipping the machine back against the rest pin, loosening the lock nut (A, Fig. 15), and relocating the stop screw (B) on the lifter lever bell crank (C). By turning the stop screw to the right or left, the proper setting of the presser bar connection is accomplished. Tighten the lock nut (A) to lock the stop screw in place.

HOOK LUBRICATION (Continued)

Should more or less oil be required, turn the oil control adjusting shaft (E, Fig. 2), located on the front of the machine just below the cloth plate surface, in the direction of the change required. After a change in the hook oil flow, the machine should be run about one minute before checking for the desired oil flow.

FEED DOG HEIGHT

In regulating the height of the feed dog, it should be at its highest position and the presser foot resting directly against it.

The feed dog holder attaching screw (A, Fig. 14) should be loosened slightly, and regulating screw (B)

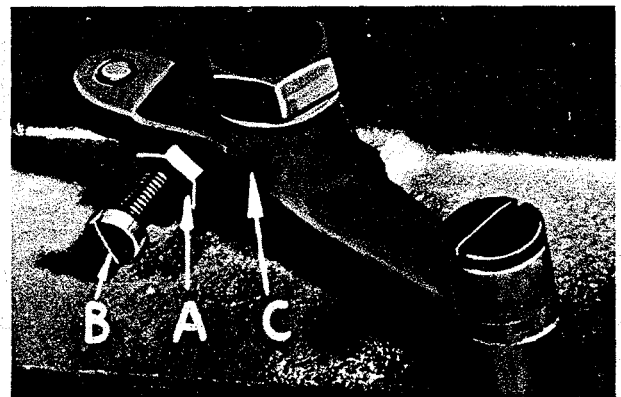


Fig. 15

INSTRUCTIONS FOR MECHANICS (Continued)

PRESSER BAR GUIDE

When locating the presser bar guide (B, Fig. 16), the presser foot must rest directly against the throat plate with the feed dog in its lowest position. The guide is set properly when there is a 4 3/4 inch space between the thread take-up wire and the top of the throat plate (Fig. 16)

To obtain this setting, remove the pressure from the presser spring (F) and loosen set screw (C). Tap on presser foot to insure its being down on the throat plate. Set the guide to the 4 3/4 inch dimension, center the foot by turning it so that the needle enters the middle of its slot and retighten screw (C) in guide. Now, apply pressure to the presser foot by turning the regulator (A, Fig. 10) clockwise.

PRESSER BAR

The presser bar No. 63457 J is designed primarily to receive Union Special presser feet. However, should feet of a different manufacture be required, the presser bar is adaptable.

To adapt the machine to receive presser feet of other manufacture, proceed as follows:

1. Remove presser foot and presser foot screw from presser bar.
2. Insert Presser foot screw in the presser bar so it screws in from right to left.
3. Loosen the set screw in the presser bar guide and rotate presser bar 180° using the screw as a handle.
4. Attach presser foot to the bar and align the needle hole or slot of the foot with the needle.
5. Check the presser bar guide for correct height and tighten set screw securely.

CAUTION! When presser feet other than of Union Special manufacture are used, the presser guide height must be checked and reset where necessary.

TENSION ASSEMBLY ADJUSTMENT

Test check spring tension (A, Fig. 17). There should be enough tension to assure a good returning snap when spring is depressed and released. Should it require adjusting, loosen set screw in the head located under arm and to the right of tension assembly, and remove tension assembly. Partially loosen tension post set screw (B) in tension post socket (C). Turn the tension post (D) counterclockwise until the check spring moves away from the upper stop (E) and has no tension on it. Turn the tension post (D) in a clockwise direction until the spring again touches the upper stop (E). Then, proceed further in the same direction until the desired tension is obtained. When correctly set, the tension post set screw (B) should be drawn up snugly, yet not forcefully. Further adjustment of the check spring tension can be made by inserting a screwdriver into the slotted end of the tension post (D) and turning in the required direction.

Replace tension assembly with the check spring about 3/8 inch above the thread take-up wire. While the tension post assembly is being replaced, the presser foot should be resting on the throat plate.

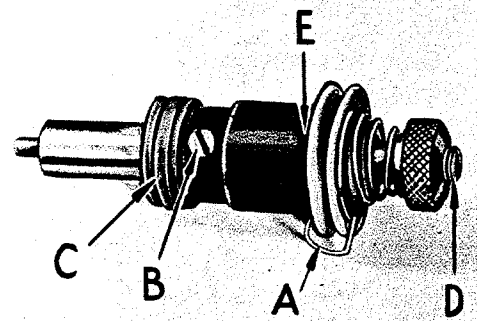


Fig. 17

INSTRUCTIONS FOR MECHANICS (Continued)

TENSION RELEASE

The tension release should be set so that it will not release when sewing over seams or when the presser foot is raised for back tacking. The adjustment of the tension release cam (D, Fig. 16) and the in and out position of the tension assembly are required for proper operation.

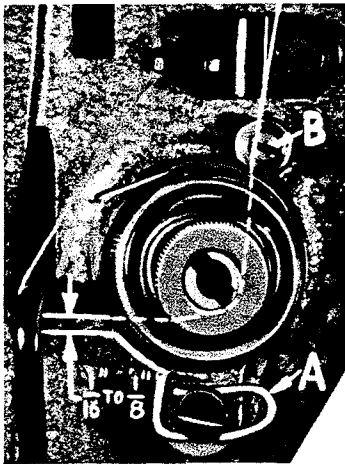


Fig. 18

The in and out position of the tension assembly is correct when the tension discs are in line with the check spring eyelet (A, Fig. 18). Set the stop screw (B, Fig. 18) so that when the flange of the tension assembly rests against it, this position is maintained. Tighten the tension assembly set screw.

The tension release cam (D, Fig. 16) should now be positioned by loosening set screw (E, Fig. 16) and then raising or lowering the cam to suit the sewing conditions, the average release point being between 1/4 to 5/16 inch of presser foot lift above the throat plate. Tighten tension release cam set screw securely.

THREAD CONTROL

Check the adjustment of tension assembly (A, Fig. 18A). Check spring tension. There should be enough tension to

insure a good returning snap when spring (B, Fig. 18A) is depressed and released. The check spring tension is adjusted from about 1 to 1 1/4 ounces when measured with a postal scale (C, Fig. 18A). This is measured when the check spring is 1/32 to 1/16 inch from its stop. The tension post set screw should be drawn up snugly but not forcefully tightened (B, Fig. 17). The tension release pin should move freely in the tension post (D, Fig. 17). The check spring eyelet (A, Fig. 18), located just below the tension discs, should be set for correct height as follows:

With a thread running from the tension post to the thread wire in a straight line, the check spring eyelet should be set 1/16 to 1/8 inch below the thread line (Fig. 18). Be sure the eyelet is set close to the tension discs so that the check spring will pass freely over it without obstruction. After making this setting, proceed to thread machine as per threading diagram (Fig. 2).

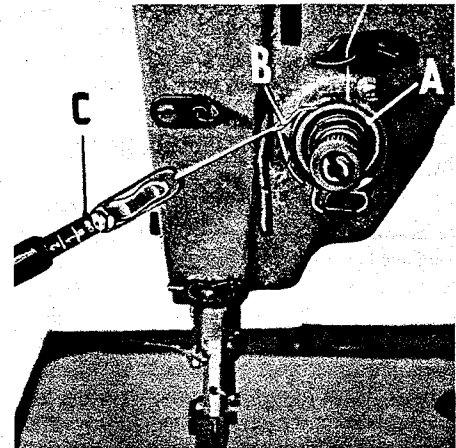


Fig. 18A

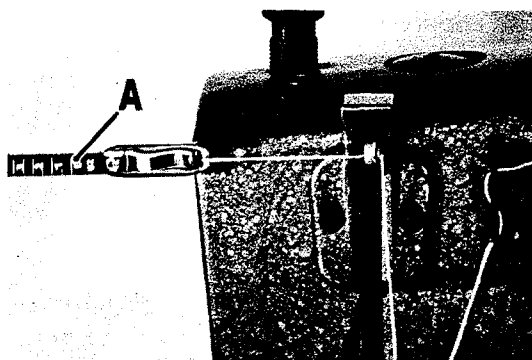


Fig. 18B

Sew slowly on a piece of material and observe the action of the check spring. The thread from the check spring to the take-up wire should be taut when the take-up is at the bottom of its stroke. Slight changes in needle thread tension may be necessary at this point, but a reasonable tension should be used to maintain a uniform and consistent stitch. The machines are sewn off with 3 to 4 ounces needle thread tension on 70-2 cord or similar thread using a postal scale (A, Fig. 18B). Depress check spring when checking the tension. The check spring will feel heavy to you when compared to Class 61400 adjustment, but this is a required setting for the

Class 63400, and as a result, the disc tension can be reduced.

INSTRUCTIONS FOR MECHANICS (Continued)

BOTTOM COVER

Before removing the bottom cover, place the machine on bench so that the plug screw is accessible from underneath. Remove this plug screw and catch the reservoir oil in some convenient clean container. Tip the machine back, loosen and remove the two cover screws. The cover should be tapped free with a wooden block or mallet. Do not pry cover loose with any sharp instrument as the gasket may become damaged.

CAUTION! When the bottom cover is removed, care should be taken not to mar or scratch the gasket seat area of the machine bottom.

Before replacing the cover, the machine gasket seat should be wiped clean and free of all lint and dirt. The cover gasket should also be inspected for damage and cleaned of dirt. Two additional gaskets are used to seal the bolts and must be cleaned before assembly. Carefully set the cover in place and tighten the two bolts securely.

To replace a damaged cover gasket, proceed as follows:

1. Clean cover gasket recess of any foreign matter.
2. The gasket in cross section is triangular in shape with a groove in the top or widest part. With the cover resting as it does in the machine, oil distributing plate to your right, begin inserting the gasket in the middle of the back recess. The grooved wide edge of the gasket should be up and the long sloped edge inward. Continue pressing the gasket into the cover recess until gasket is in place.

The bolt sealing gaskets may have a tendency to fall out when installing the cover, but may be temporarily cemented in place by applying grease to their recesses.

HOOK SHAFT

The hook shaft (A, Fig. 19) is held in position by the pinion (B) and collar (C) thrusting against hard steel washers (D) between the long left hand bushing (E) and the short right hand bushing (F).

Should the hook shaft setting be disturbed, the left and right position can be determined by measuring from the hook end of the hook shaft to the point of a new needle (G) and reading $35/64$ inch on a scale.

To reposition the hook shaft, loosen the set screws of the pinion and collar and establish the $35/64$ inch dimension. Move the pinion and thrust washer against the left bushing, and after making certain one of the set screws is on the shaft FLAT, tighten both screws securely. Liberally coat the collar and its washer with oil and press the collar away from the pinion so as to remove all end play and tighten both set screws securely.

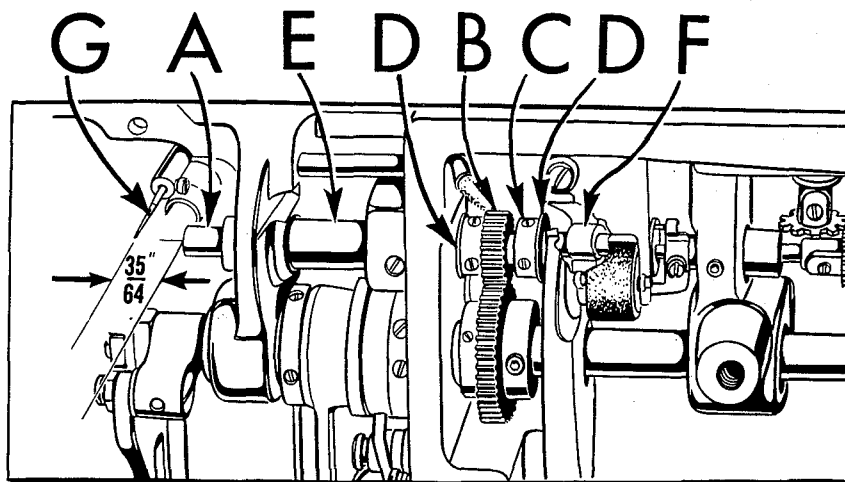


Fig. 19

Hook oiling is accomplished by a high speed rotary pump on the end of the hook shaft. The quantity of oil supplied to the hook is regulated by the longer or shorter path the oil is required to travel through the metering felt of metering cup (G, Fig. 20). (Increase or decrease of oil supply is controlled by a dial (P, Fig. 20) with an arrow marked "INCREASE", found below the cloth plate). The hook oil feed roller (A, Fig. 20) which rests against the metering cup felt serves not only to feed oil to the unit from the oil reservoir, but filters the oil as well.

REMOVAL OF OILING DEVICE

The following steps are necessary to remove hook oiling device:

1. Remove hook oil feed roller (A, Fig. 20).
2. Remove hook oil control finger (B).
3. Apply finger pressure to hook oil control shaft (D) to prevent loss of pump disc pivot pin (E); using Allen wrench, loosen set screw (C). Move assembly slowly to right, being careful not to drop pivot pin located in the end of the hook oil control shaft. When pivot pin is clear of pump disc (F), disc is free to fall.
4. Remove metering cup (G) along with oil supply felt (K) and air seal felt (J).
5. Remove cog (H) from hook oil control shaft.

INSTRUCTIONS FOR MECHANICS (Continued)

RE-ASSEMBLY OF OILING DEVICE

Before re-assembly, the end of the hook shaft, its spiral groove and the pump disc should be thoroughly cleaned. Remove any end play found in hook shaft and determine that the 35/64 inch dimension has been maintained (Fig. 19).

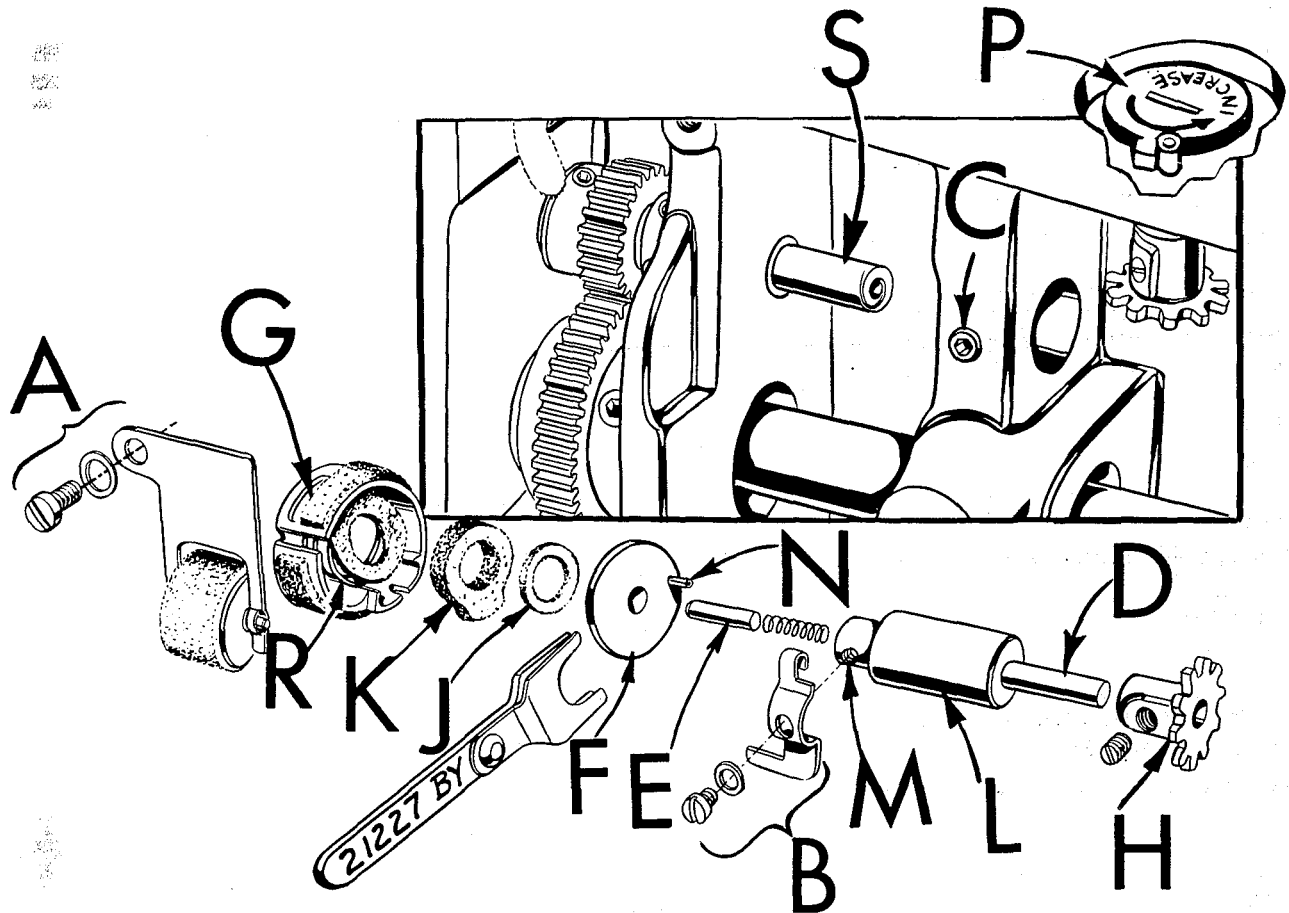


Fig. 20

The following steps are necessary to re-assemble the hook oiling device:

1. Remove and separate the air seal felt (J, Fig. 20) from oil supply felt (K).
2. Make sure small end of air seal spring (R) is located on boss of metering cup behind felt attached to cup. Position metering cup (G) and air seal spring on hook shaft (S) with open end toward handwheel end of machine (Fig. 20).

NOTE: The hook shaft should pass through hole of felt attached to metering cup.

3. Position oil supply felt (K, Fig. 21) on hook shaft making certain the felt's projection extends into dovetail of metering cup.
4. Position air seal felt (J) on hook shaft.
5. Insert pump disc (F) into assembly tool No. 21227 BY, with stop pin on the spring side of tool, 180° from handle. Insert disc approximately half way into spring and center in tool (Fig. 22).

INSTRUCTIONS FOR MECHANICS (Continued)

RE-ASSEMBLY OF OILING DEVICE (Continued)

6. Insert hook oil control shaft (D) and its bushing (L) part way into its boss which is located directly behind the hook shaft, being careful NOT TO DROP the pump disc pivot pin (E).

7. A clearance cut on the edge of the metering cup, located between the dovetail and the long horizontal slot, has been provided for the pump disc tool and should be facing you (Fig. 22).

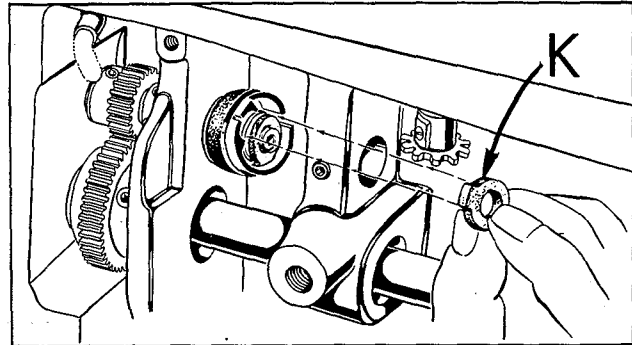


Fig. 21

8. With the fork of the tool in line with the metering cup clearance cut and centered about the hook shaft end, press the felts to the left with the tool until the pump disc is in contact with the end of the hook shaft.
9. Press hook oil control shaft bushing (L) to left until control shaft (D) is approximately 1/16 inch away from pump disc (F). Make sure the control shaft pivot pin (E) seats in the depression at the center of the pump disc. Tighten set screw (C, Fig. 22) and withdraw assembly tool. Be sure air seal felt (J) has seated against the pump disc.
10. Turn hook oil control shaft (D, Fig. 23) until screw hole (M) is accessible. Manually rotate pump disc (F) so its stop pin (N) is 90° above screw hole.
11. Rotate metering cup so the short slot (T) is 180° from the stop pin (N). Now, install the hook oil control finger (B) by first hanging the hooked portion of the finger over the stop pin (N) and lowering to insert the projection at bottom left into the short slot of the metering cup. Tighten finger (B) in place by means of screw and washer, making sure the hook oil control finger does not bind or distort the metering cup.

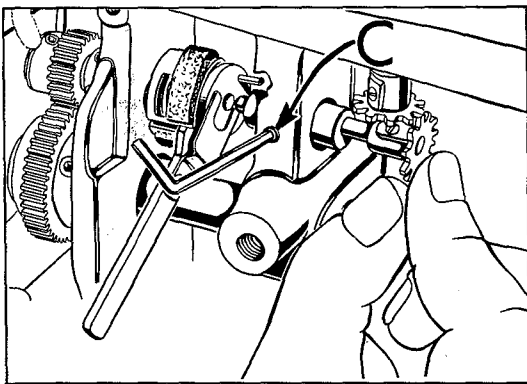


Fig. 22

12. Assemble the hook oil feed roller (A, Fig. 24), and rotate the metering cup so that the roller contacts the metering cup felt at point (U, Fig. 24). Turn the oil control adjusting shaft (P, Fig. 24) in the increase direction until projection stops against the stop pin (this is maximum oil supply) and install the cog (H, Fig. 24) on the hook oil control shaft. After meshing the teeth, tighten the set screw securely.
13. Check for proper contact of the hook oil feed roller and the metering cup by turning the oil control adjusting shaft through its complete travel and observe the feed roller turning as the metering cup turns. With the oil control adjusting shaft set at maximum, the feed roller point of contact with the metering cup felt should be at the mid-point of the slot that permits the metering cup felt to enter the metering cup.

NOTE: The feed roller should be in contact with the metering cup felt through its complete travel.

INSTRUCTIONS FOR MECHANICS (Continued)

UPPER MAIN SHAFT

In a high speed machine, the alignment of the take-up mechanism is extremely important and is controlled by the left and right position of the upper main shaft. Should the main shaft position be altered, it is imperative that the take-up alignment be checked before operating.

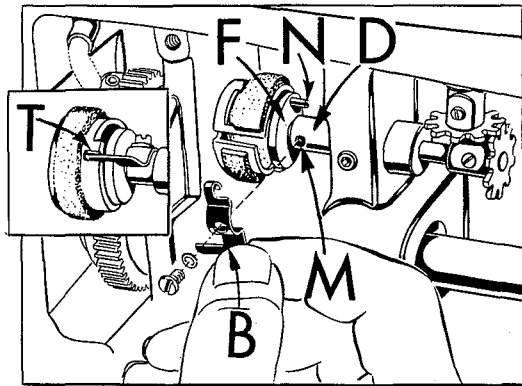


Fig. 23

TO CHECK FOR ALIGNMENT

1. Remove the presser bar spring and regulator screw.
2. Rotate the handwheel so that the needle bar is at the bottom of its stroke.
3. Remove the take-up lever pin.
4. With light inward finger pressure, move the take-up lever to the take-up lever boss. There should be a small amount of interference between the lever and the boss. With light outward finger pressure, move the lever across the boss face. There should be clearance between the boss face and lever. These two tests in effect are checking the lateral play of the take-up lever and provides

for operation of the take-up in the center of the lateral play. Now, line up the take-up lever hole with the hole in the lever boss. Insert the oil wick about 1/2 inch in the bore of the take-up lever. With the oil wick groove up, insert the take-up lever pin in the lever, making sure the wick is in the groove and press the pin into its hole in the arm. There should be no end play in the take-up lever after the set screw is securely tightened.

Should the alignment test show the main shaft is out of position, the upper sprocket and handwheel should be loosened and the shaft moved left or right as the conditions indicate. Re-tighten sprocket and handwheel so that there is no end play in the upper main shaft and repeat the alignment check.

HANDWHEEL

The handwheel is constructed so as to minimize noise and is therefore isolated from the pulley by shock mounts. If for any reason the handwheel is disassembled, the following steps should be used for re-assembly.

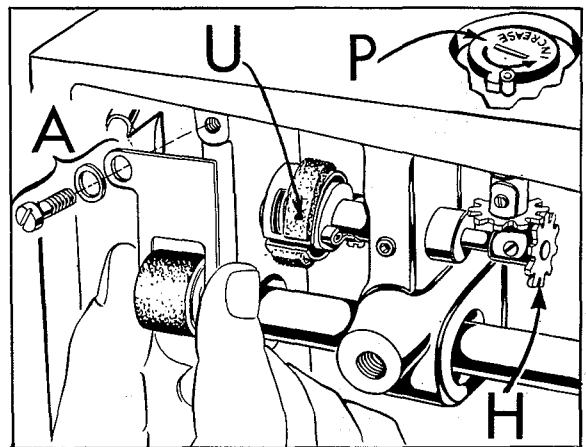


Fig. 24

1. Using the upper main shaft as a mandrel, assemble the pulley thrust face down so that at least 1 1/2 inches of the shaft protrudes above it. Tighten the two set screws.
2. Place the rubber isolator ring on the pulley face and align holes.
3. Carefully slide handwheel down the shaft to contact the isolator and align the three holes.

INSTRUCTIONS FOR MECHANICS (Continued)

HANDWHEEL (Continued)

4. Three plastic "O" rings are now inserted into their respective holes in the handwheel.
5. The outer isolator ring and cap are now assembled.
6. Insert the three screws that are run through the complete assembly and tightened lightly.
7. Loosen the two pulley screws and slowly revolve the whole assembly several times for good alignment. Now, gradually tighten the three screws moving from one to the other until all are snug.
8. The assembly should run true as it revolves freely on the shaft. If any sidewise run-out is noted, it can be corrected by slight changes of screw pressure in the three isolator screws.

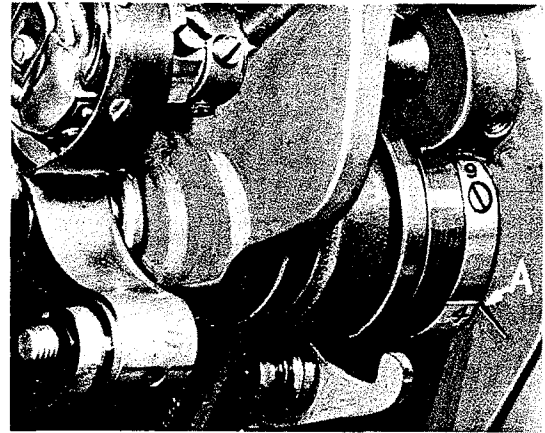


Fig. 25

CAUTION! When replacing the handwheel assembly on the mainshaft, care must be taken not to damage the oil seal located near the end of the shaft. The surface of the ring should be lightly oiled and the handwheel worked over the seal gently. Upper main shaft should be held securely to the right when sliding handwheel over seal to prevent damage to the take-up mechanism.

STITCH LENGTH INDICATOR

After a feed timing change, the stitch length indicator will have to be re-adjusted to read accurately.

1. Depress the stitch length change button until it engages in the feed eccentric.
2. Turn the handwheel toward you until the stop is reached, indicating the longest stitch length.
3. Loosen the stitch length indicator set screws.
4. With the change button still engaged, set the indicator dial to read "L" in the window on the belt guard.
5. Tighten indicator dial set screws.

TIMING THE MACHINE

Tip the machine back against the rest pin and turn handwheel until the needle bar is at the top of its stroke. The timing line "4" on the feed drive eccentric should line up with the mark on the wall of the casting (A, Fig. 25).

INSTRUCTIONS FOR MECHANICS (Continued)

TO SET THE FEED TIMING

1. Remove the needle from the needle bar.
2. Remove large plug screws below the oil gauge and below the handwheel.
3. Turn the handwheel until the needle bar is at the top of its stroke.
4. Loosen the lower sprocket screws through the hole below the oil gauge.
5. Hold the handwheel securely and turn the lower main shaft until the timing line "4" on the adjustable feed driving eccentric and mark on the casting wall line up (A, Fig. 25).
6. Press the lower main shaft firmly toward the handwheel and with a screwdriver, press the lower sprocket toward the head of the machine. Through the access hole, retighten the two sprocket screws securely. There should be no end play in the lower main shaft.
7. A small quantity of lead seal should be applied on the threads of both plug screws before they are replaced.

CAUTION! After any feed timing change, the hook must be retimed.

LOWER MAIN SHAFT

Should the lower main shaft position be altered, it is important that the collar (61432 J), located between the hook driving gear and the left lower main shaft bushing, be located .020 inch from the bushing.

The belt should be assembled on the lower sprocket so that the second set screw is accessible through the large plug screw.

HEAD MECHANISM LUBRICATION ADJUSTMENT

The needle bar link (A, Figs. 26, 27) is lubricated at two points.

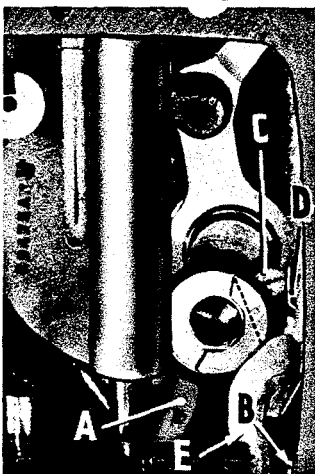


Fig. 27

1. Thrust washer (B, Fig. 26) must be positioned so that oil wick (C) wipes across the thin portion of the thrust washer. Washer is positioned by loosening left hand screw (D).
2. Position bracket by means of screw (B, Fig. 27) so that wick (C) passes through the center of the slot in needle bar link (A). Wick (C) must contact the needle bearings. Proper wick contact with the needle bearings can be obtained by bending the wick support bracket (D) closer or farther away from the needle bar link as required. Be sure to secure the felt strip (E) to the upper needle bar bushing with spring clip 61454 B.

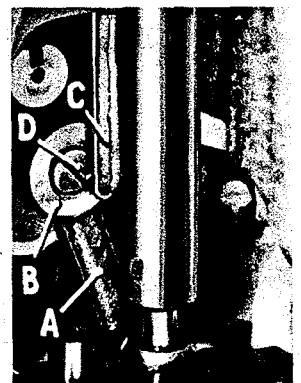
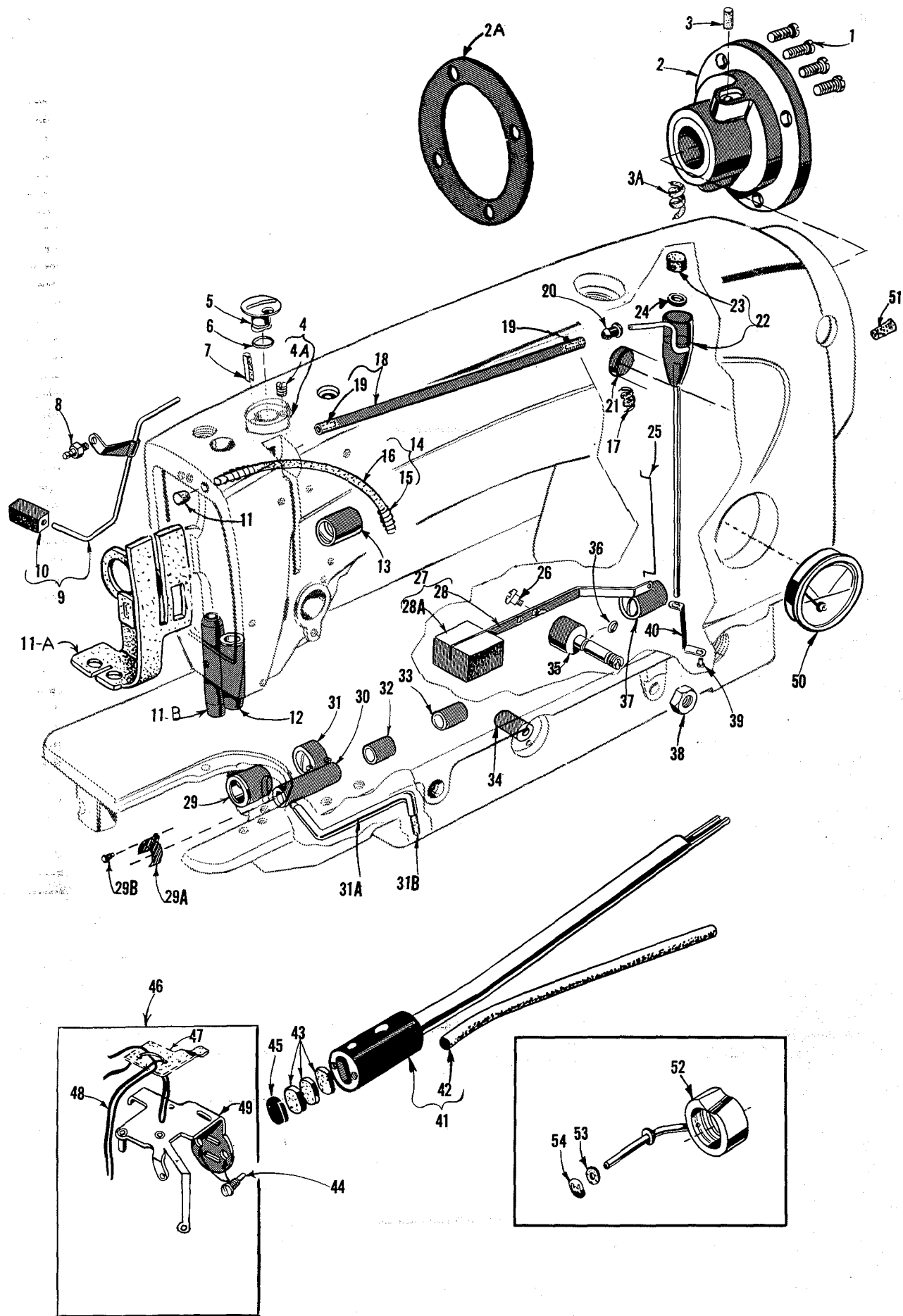


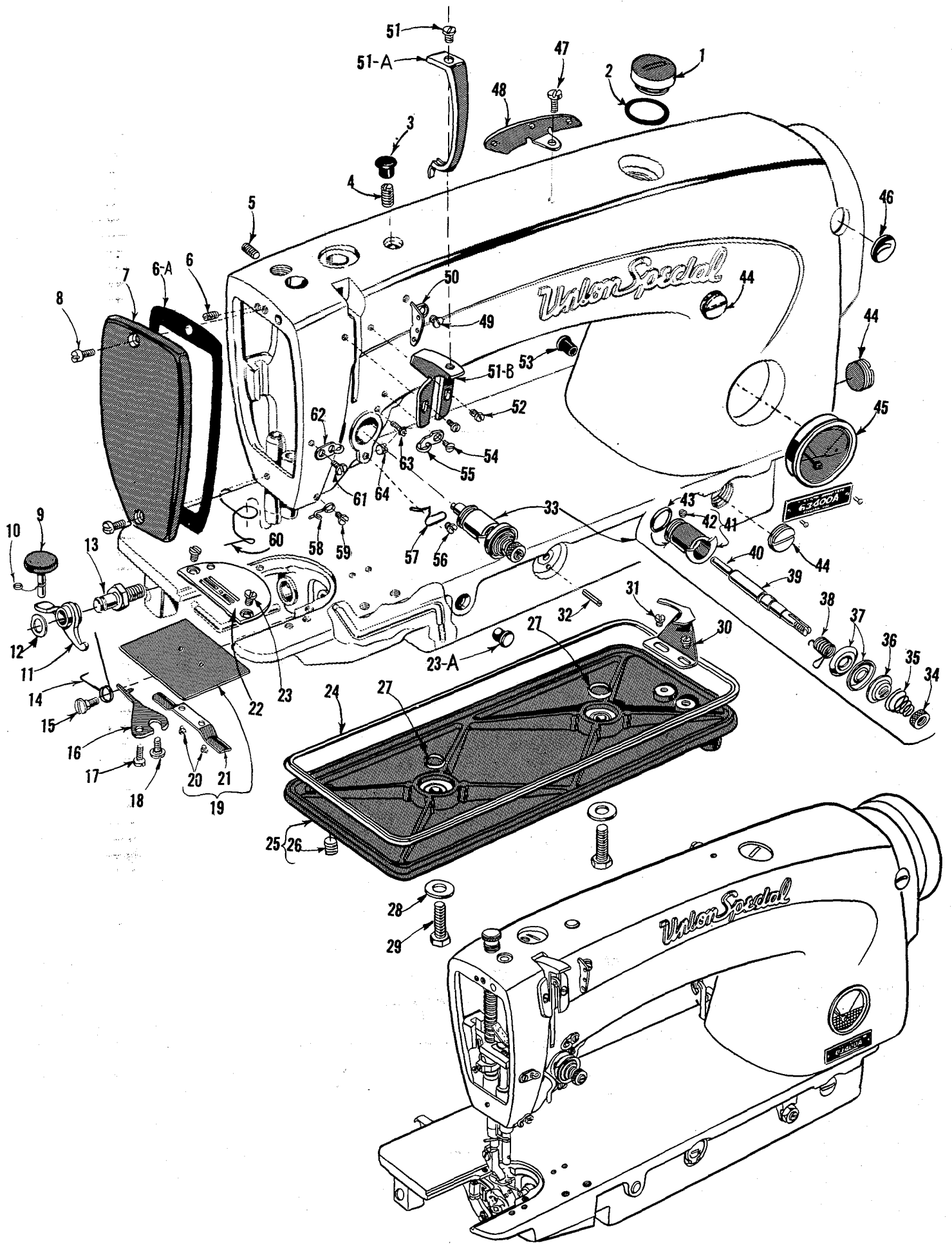
Fig. 26



MAIN FRAME, BUSHINGS AND HEAD OIL SIPHON

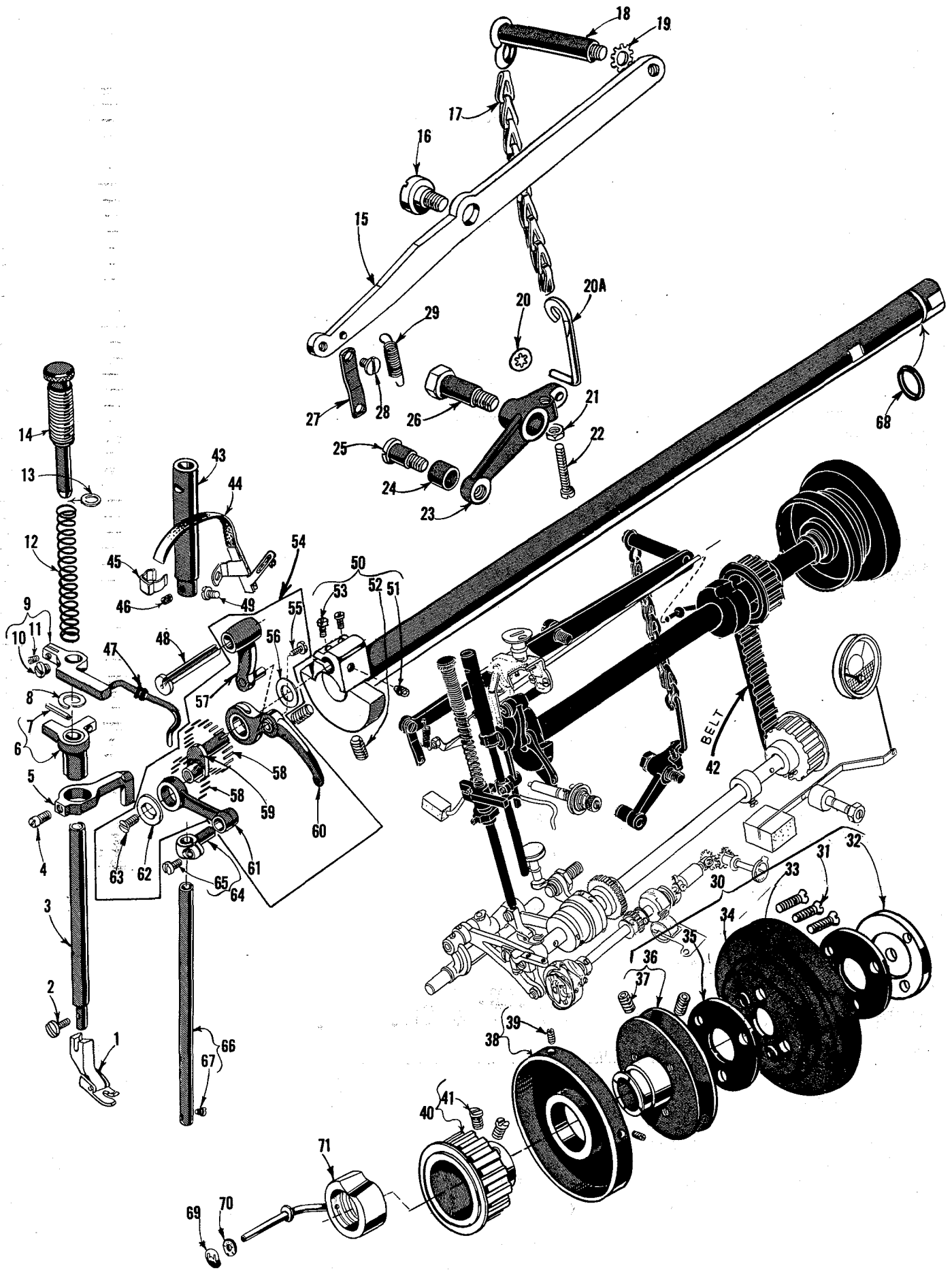
| <u>Ref. No.</u> | <u>Part No.</u> | <u>Description</u> | <u>Amt. Req.</u> |
|-----------------|-----------------|--|------------------|
| 1 | 22569 B | Screw | 4 |
| 2 | 61490 B | Main Shaft Bearing Housing | 1 |
| 2A | 63490 B | Gasket | 1 |
| 3 | 666-200 | Oil Felt | 1 |
| 3A | 666-221 | Oil Wick | 1 |
| 4 | 50-982 Blk. | Head Oil Bushing, not used on new machines | 1 |
| 4A | 79077 | Screw, not used on new machines | 1 |
| 5 | 61493 C | Head Flow Oil Control Stud, not used on new machines | 1 |
| 6 | 660-254 | Oil Retainer Ring, not used on new machines | 1 |
| 7 | 666-198 | Oil Wick, not used on new machines | 1 |
| 8 | 61494 L | Stud | 1 |
| 9 | 61494 K | Oil Siphon Head Tube | 1 |
| 10 | 666-214 | Oil Felt | 1 |
| 11 | CO67 B | Plug | 1 |
| 11A | 666-231 | Felt | 1 |
| 11B | 61457 K | Presser Bar Bushing | 1 |
| 12 | 61454 C | Needle Bar Bushing, lower | 1 |
| 13 | 61490 D | Upper Main Shaft Bushing, left | 1 |
| 14 | 61471 F | Take-up Lever Hood Oil Diverting Wick and Spring | 1 |
| 15 | 61471 D | Spring | 1 |
| 16 | 666-194 | Roll Felt | 1 |
| 17 | 666-238 | Bed Oil Drain Hole Felt | 1 |
| 18 | 63494 N | Oil Siphon Connecting Tube | 1 |
| 19 | 56393 AA | Oil Tube | 2 |
| *20 | 61494 N | Retaining Grommet | 1 |
| 21 | 61293 N | Bed Plug | 1 |
| *22 | 63494 D | Head Oil Siphon Assembly | 1 |
| 23 | 666-237 | Felt Disc | 1 |
| 24 | 6042 A | Washer, (use only on siphon with c'sunk bottom) | 1 |
| 25 | 61494 H | Oil Gauge Connecting Link | 1 |
| 26 | 21629 A | Screw | 1 |
| 27 | 63494 C | Oil Gauge Float Assembly | 1 |
| 28 | 61494 E | Oil Gauge Float Lever | 1 |
| 28A | 61494 D | Oil Gauge Float | 1 |
| 29 | 61432 C | Feed Driving Shaft Bushing, left | 1 |
| 29A | 63432 E | Oil Shield | 1 |
| 29B | 18-768 | Drive Screw | 1 |
| 30 | 61441 | Hook Shaft Bushing, left | 1 |
| 31 | 61432 E | Feed Driving Shaft Oil Retaining Bushing, left | 1 |
| 31A | 63493 | Hook Shaft Bushing Oil Tube | 1 |
| 31B | 666-212 | Oil Felt | 1 |
| 32 | 61441 A | Hook Shaft Bushing, right | 1 |
| 33 | 61496 P | Hook Oil Control Shaft Bushing | 1 |
| 34 | 61496 S | Hook Oiling Control Adjusting Bushing | 1 |
| 35 | 61494 F | Float Lever Pivot Stud | 1 |
| 36 | 660-221 | "O" Ring | 1 |
| 37 | 61432 B | Feed Driving Shaft Bushing, right | 1 |
| 38 | 11635 B | Nut | 1 |
| *39 | 22564 | Screw | 1 |
| *40 | 63494 | Siphon Primer Position Bracket | 1 |
| 41 | 61493 A | Head Oil Supply Line | 1 |
| 42 | 666-109 | Oil Wick | 1 |
| 43 | 666-261 | Felt Pad, for No. 61493 A | 3 |
| 44 | 22784 K | Screw, for No. 63493 H | 2 |
| 45 | 666-262 | Felt, for No. 61493 A | 1 |
| 46 | 63493 H | Head Oiler Assembly | 1 |
| 47 | 666-191 | Oil Distributing Felt | 1 |
| 48 | | Oil Wick, 15 inches long | 1 |
| 49 | 27-534 Blk. | Oil Shut-off Bracket | 1 |
| 50 | 63494 K | Oil Gauge | 1 |
| 51 | CO67 B | Cork Plug | 1 |
| 52 | 63493 J | Oil Siphon Assembly | 1 |
| 53 | 666-273 | Felt Disc | 1 |
| 54 | 660-456 | Push-on Fastener | 1 |

* Replaced by Ref. Nos. 52, 53 and 54 on new machines.



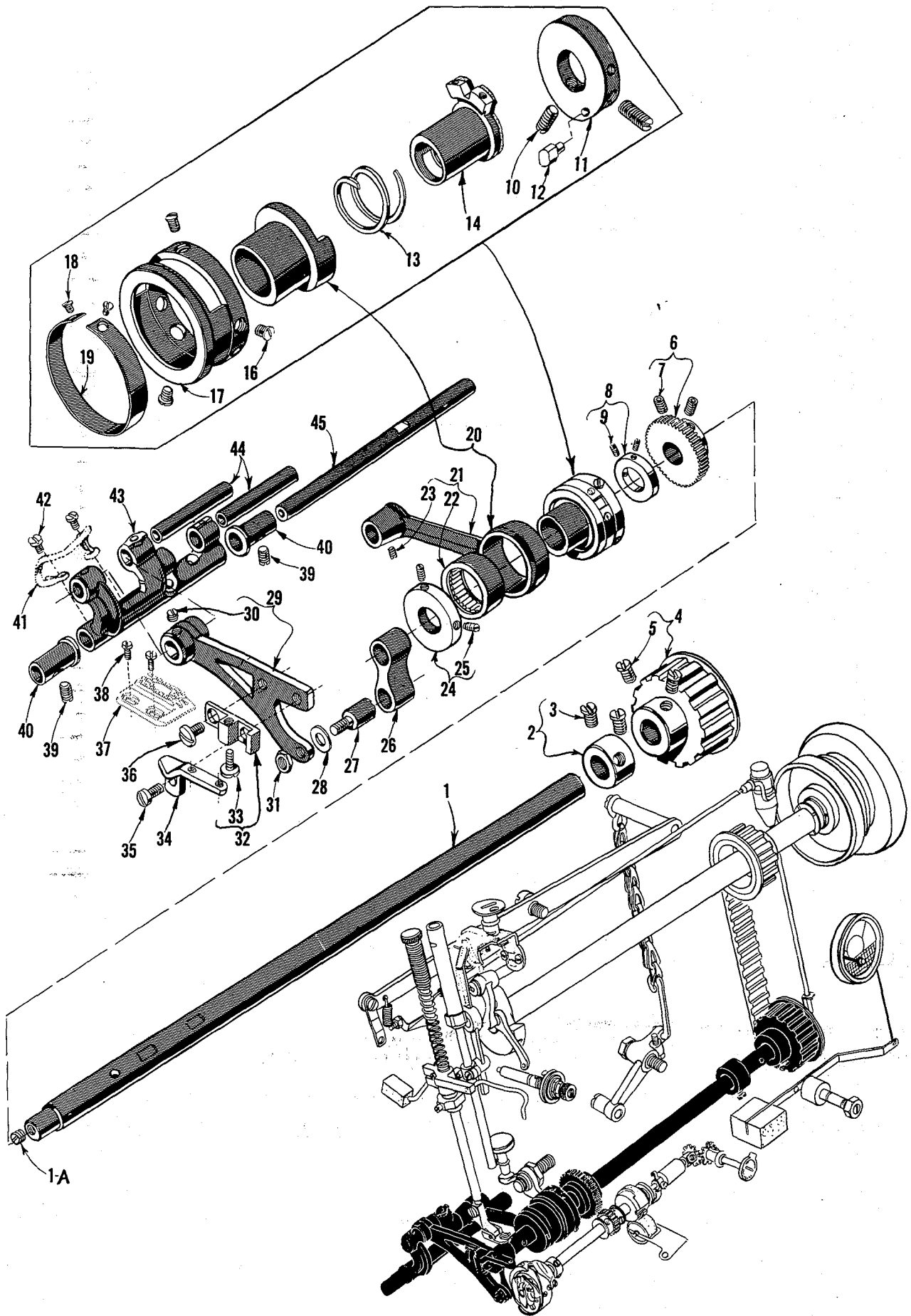
MAIN FRAME, MISCELLANEOUS COVERS AND NEEDLE TENSION PARTS

| <u>Ref. No.</u> | <u>Part No.</u> | <u>Description</u> | <u>Amt. Req.</u> |
|-----------------|-----------------|---|------------------|
| 1 | 22733 D | Plug Screw, for oil filler hole ----- | 1 |
| 2 | 63494 A | Gasket ----- | 1 |
| 3 | 63494 B | Plug, plastic ----- | 1 |
| 4 | 22815 | Screw ----- | 1 |
| 5 | 22894 E | Screw ----- | 1 |
| 6 | 96 | Screw ----- | 1 |
| 6A | 63482 A | Gasket ----- | 1 |
| 7 | 61482 G | Head Cover ----- | 1 |
| 8 | 22516 | Screw ----- | 2 |
| 9 | 61449 V | Stitch Regulating Plunger ----- | 1 |
| 10 | 660-254 A | Retainer Ring ----- | 1 |
| 11 | 61449 U | Stitch Regulating Pawl ----- | 1 |
| 12 | 660-254 B | Retainer Ring ----- | 1 |
| 13 | 61449 Y | Stitch Regulating Pawl Stud ----- | 1 |
| 14 | 61449 X | Pawl Plunger Spring ----- | 1 |
| 15 | 22504 A | Screw ----- | 1 |
| 16 | 61414 A | Bobbin Case Holder Positioning Finger ----- | 1 |
| 17 | 22528 | Screw ----- | 1 |
| 18 | 22742 | Screw ----- | 1 |
| 19 | 63402 B | Bed Slide ----- | 1 |
| 20 | 91 A | Screw ----- | 2 |
| 21 | 61273 | Bed Slide Spring ----- | 1 |
| 22 | | Throat Plate (see pages of Feed Dogs and Throat Plates) ----- | 1 |
| 23 | 376 | Screw ----- | 2 |
| 23A | 63494 B | Plug, plastic ----- | 1 |
| 24 | 61482 J | Gasket ----- | 1 |
| 25 | 61482 H | Oil Reservoir Cover ----- | 1 |
| 26 | 22571 F | Plug Screw ----- | 1 |
| 27 | 660-204 | "O" Ring ----- | 2 |
| 28 | 652-16 | Washer ----- | 2 |
| 29 | 22644 K-64 | Screw ----- | 2 |
| 30 | 61494 R | Oil Distributing Plate ----- | 1 |
| 31 | 22570 | Screw ----- | 2 |
| 32 | 660-219 A | Roll Pin ----- | 1 |
| 33 | 29475 AS | Tension Assembly ----- | 1 |
| 34 | 61292 C | Tension Nut ----- | 1 |
| 35 | 61392 F-9 | Tension Spring ----- | 1 |
| 36 | 61492 H | Tension Release Washer ----- | 1 |
| 37 | 109 | Tension Disc ----- | 2 |
| 38 | 63453 | Take-up Spring ----- | 1 |
| 39 | 61492 F | Tension Post ----- | 1 |
| 40 | 61492 G | Tension Release Pin ----- | 1 |
| 41 | 61492 E | Tension Post Socket ----- | 1 |
| 42 | 22560 G | Set Screw ----- | 1 |
| 43 | 660-269 A | "Quad" Ring ----- | 1 |
| 44 | 22539 P | Plug Screw ----- | 3 |
| 45 | 63494 K | Oil Gauge ----- | 1 |
| 46 | 61449 T | Stitch Length Indicator ----- | 1 |
| 47 | 22570 A | Screw ----- | 1 |
| 48 | 61470 D | Frame Thread Eyelet ----- | 1 |
| 49 | 22805 | Screw ----- | 1 |
| 50 | 61471 A | Frame Thread Eyelet ----- | 1 |
| 51 | 22564 B | Screw ----- | 1 |
| 51A | 63451 | Take-up Shield ----- | 1 |
| 51B | 61471 B | Take-up Lever Hood ----- | 1 |
| 52 | 22562 | Screw ----- | 2 |
| 53 | 63494 B | Plug, plastic ----- | 1 |
| 54 | 22766 | Screw ----- | 1 |
| 55 | 61470 C | Thread Guide ----- | 1 |
| 56 | HS24 C | Screw ----- | 1 |
| 57 | 63492 | Tension Post Eyelet ----- | 1 |
| 58 | 63470 | Lower Thread Eyelet ----- | 1 |
| 59 | 90 | Screw ----- | 1 |
| 60 | 63470 B | Needle Bar Bushing Thread Guide ----- | 1 |
| 61 | 222 D | Screw ----- | 1 |
| 62 | 63470 A | Upper Thread Eyelet ----- | 1 |
| 63 | 22863 B | Stop Screw, for tension assembly ----- | 1 |
| 64 | 22597 E | Set Screw, for tension assembly ----- | 1 |



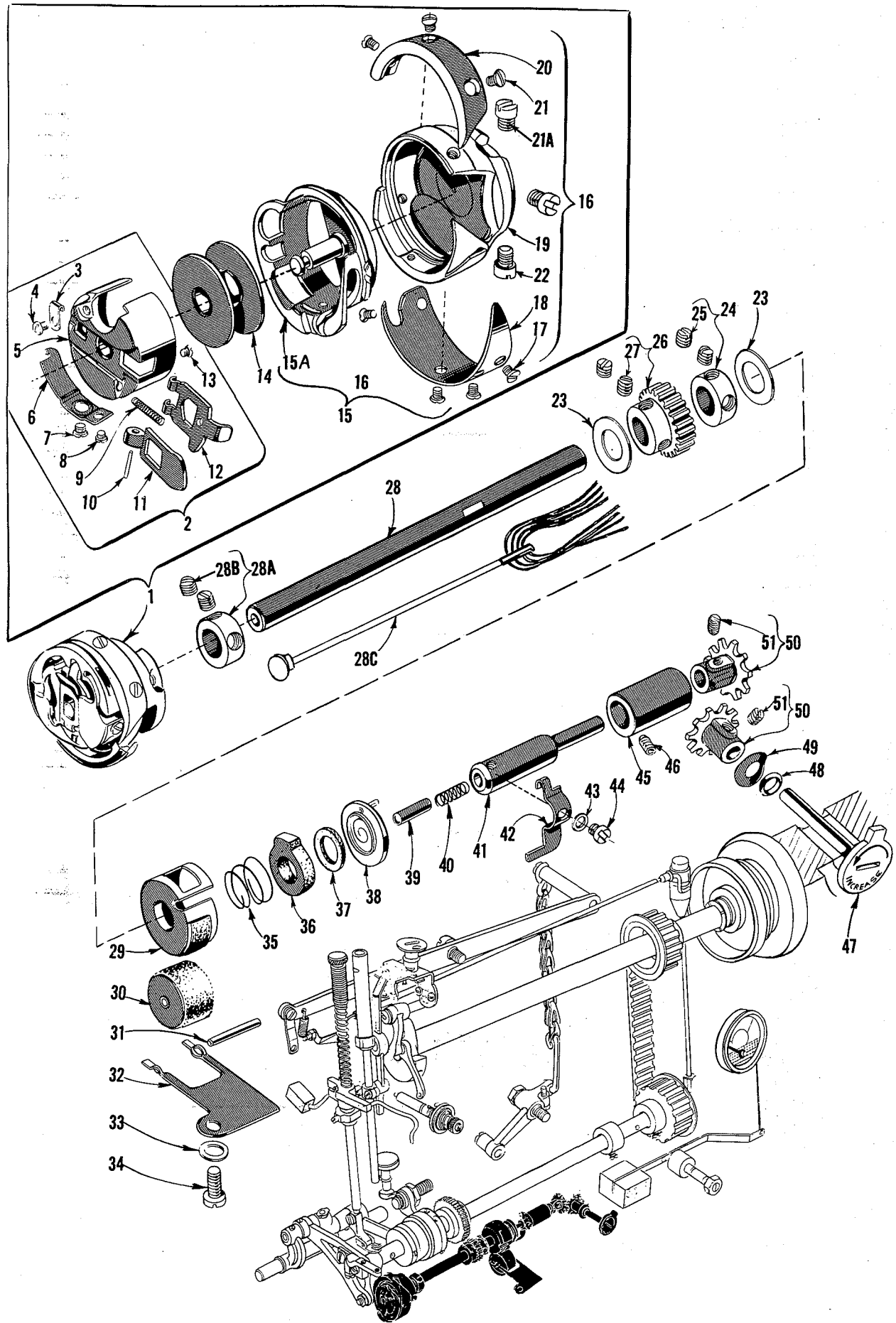
UPPER SHAFT, PRESSER BAR, NEEDLE BAR AND FOOT LIFTER MECHANISM

| <u>Ref. No.</u> | <u>Part No.</u> | <u>Description</u> | <u>Amt. Req.</u> |
|-----------------|-----------------|--|------------------|
| 1 | | Presser Foot (see pages of Presser Feet) ----- | 1 |
| 2 | 22775 | Screw ----- | 1 |
| 3 | 63457 J | Presser Bar ----- | 1 |
| 4 | 230 | Screw ----- | 1 |
| 5 | 61458 G | Tension Release Cam ----- | 1 |
| 6 | 61458 FA | Presser Bar Connection ----- | 1 |
| 7 | 660-219 B | Roll Pin ----- | 1 |
| 8 | 63457 R | Presser Bar Spring Washer ----- | 1 |
| 9 | 61459 C | Presser Bar Guide ----- | 1 |
| 10 | 22570 | Screw ----- | 1 |
| 11 | 73 C | Set Screw ----- | 1 |
| 12 | 61356 | Presser Spring ----- | 1 |
| 13 | 61256 G | Washer ----- | 1 |
| 14 | 61457 B | Presser Spring Regulator ----- | 1 |
| 15 | 63466 | Lifter Lever ----- | 1 |
| 16 | 22890 A | Screw, left thread ----- | 1 |
| 17 | 421 H | Lifter Lever Chain ----- | 1 |
| 18 | 61468 B | Lifter Lever Extension Stud and Hook ----- | 1 |
| 19 | 652 B-20 | Lock Washer ----- | 1 |
| 20 | 660-283 A | Fastener ----- | 1 |
| 20A | 61468 D | Chain Hook ----- | 1 |
| 21 | 9937 | Nut ----- | 1 |
| 22 | 22874 F | Screw ----- | 1 |
| 23 | 61468 F | Lifter Lever Bell Crank ----- | 1 |
| 24 | 61468 E | Bell Crank Roller ----- | 1 |
| 25 | 22712 G | Screw ----- | 1 |
| 26 | 22817 A | Screw ----- | 1 |
| 27 | 61467 | Lifter Lever Link ----- | 1 |
| 28 | 22758 B | Screw ----- | 1 |
| 29 | 15872 F | Lifter Lever Spring ----- | 1 |
| 30 | 61421 B | Handwheel Assembly ----- | 1 |
| 31 | 22574 C | Screw ----- | 3 |
| 32 | 61421 G | Hub Washer ----- | 1 |
| 33 | 61421 C | Handwheel ----- | 1 |
| 34 | 660-254 D | Isolator Washer ----- | 3 |
| 35 | 61421 E | Handwheel Isolator ----- | 2 |
| 36 | 61421 D | Pulley ----- | 1 |
| 37 | 22894 V | Set Screw ----- | 2 |
| 38 | 61421 F | Stitch Length Indicator ----- | 1 |
| 39 | 22565 C | Set Screw ----- | 2 |
| 40 | 61460 | Main Shaft Driving Sprocket ----- | 1 |
| 41 | 22884 | Set Screw ----- | 2 |
| 42 | 61460 B | Feed Driving Belt ----- | 1 |
| 43 | 61454 A | Upper Needle Bar Bushing ----- | 1 |
| 44 | 63453 C | Oil Shield Diverting Felt ----- | 1 |
| 45 | 61454 B | Felt Holding Spring Clip ----- | 1 |
| 46 | 666-186 | Oil Felt ----- | 1 |
| 47 | 660-254 C | "O" Ring ----- | 2 |
| 48 | 61451 B | Take-up Lever Pin ----- | 1 |
| 49 | 22564 | Screw ----- | 1 |
| 50 | 29475 BC | Main Shaft Assembly, for Style 63400 A ----- | 1 |
| | 29475 BH | Main Shaft Assembly, for Style 63400 B ----- | 1 |
| 51 | 22894 U | Spot Screw ----- | 1 |
| 52 | 22894 V | Set Screw ----- | 2 |
| 53 | 22839 | Screw ----- | 2 |
| 54 | 29486 L | Take-up Lever and Needle Bar Link Assembly ----- | 1 |
| 55 | 22784 E | Screw ----- | 1 |
| 56 | 61351 C | Thrust Washer ----- | 1 |
| 57 | 61451 A | Take-up Lever Link ----- | 1 |
| 58 | 61451 D-625 | Needle Bearing, .0625 inch diameter ----- | 38 |
| | 61451 D-626 | Needle Bearing, .0626 inch diameter ----- | 38 |
| | 61451 D-627 | Needle Bearing, .0627 inch diameter ----- | 38 |
| 59 | 63452 A | Take-up Lever Crank Pin ----- | 1 |
| 60 | 61451 | Take-up Lever ----- | 1 |
| 61 | 61455 | Needle Bar Link ----- | 1 |
| 62 | 63455 | Thrust Washer ----- | 1 |
| 63 | 22757 D | Screw ----- | 1 |
| 64 | 61255 | Needle Bar Connection ----- | 1 |
| 65 | 22562 B | Screw ----- | 1 |
| 66 | 61417 E | Needle Bar ----- | 1 |
| 67 | 22768 A | Needle Set Screw ----- | 1 |
| 68 | 660-269 | "Quad" Ring ----- | 1 |
| 69 | 660-456 | Push-on Fastener ----- | 1 |
| 70 | 666-273 | Felt Disc ----- | 1 |
| 71 | 63493 J | Oil Siphon Assembly ----- | 1 |



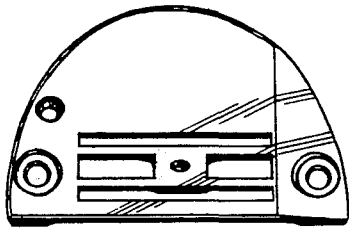
FEED DRIVING AND STITCH REGULATING MECHANISM

| <u>Ref. No.</u> | <u>Part No.</u> | <u>Description</u> | <u>Amt. Req.</u> |
|-----------------|-----------------|--|------------------|
| 1 | 61432 H | Feed Driving Shaft ----- | 1 |
| 1A | 22586 | Screw ----- | 1 |
| 2 | 61360 G | Thrust Collar ----- | 1 |
| 3 | 22884 | Screw ----- | 2 |
| 4 | 61460 A | Feed Driving Shaft Sprocket ----- | 1 |
| 5 | 22653 D-6 | Screw ----- | 2 |
| 6 | 63443 | Hook Shaft Driving Gear ----- | 1 |
| 7 | 22894 C | Set Screw ----- | 2 |
| 8 | 61432 J | Collar ----- | 1 |
| 9 | 73 C | Set Screw ----- | 2 |
| 10 | 719 | Screw ----- | 2 |
| 11 | 61437 A | Feed Driving Eccentric Timing Collar ----- | 1 |
| 12 | 61437 B | Feed Driving Eccentric Pivot Pin ----- | 1 |
| 13 | 61449 B | Stitch Regulating Eccentric Thrust Spring ----- | 1 |
| 14 | 61449 S | Stitch Regulating Eccentric ----- | 1 |
| 16 | 22564 H | Screw ----- | 3 |
| 17 | 61437 L | Feed Drive Eccentric Retainer Housing ----- | 1 |
| 18 | 22716 A | Screw ----- | 2 |
| 19 | 61437 M | Retainer Housing Spring Cover ----- | 1 |
| 20 | 29126 DD | Feed Driving Eccentric and Connecting Rod Assembly -- | 1 |
| 21 | 61438 B | Feed Driving Eccentric Connecting Rod ----- | 1 |
| 22 | 660-225 | Needle Bearing ----- | 1 |
| 23 | 88 | Set Screw ----- | 1 |
| 24 | 61437 N | Feed Driving Eccentric Thrust Collar ----- | 1 |
| 25 | 12935 A | Set Screw ----- | 2 |
| 26 | 63433 A | Feed Lift Link ----- | 1 |
| 27 | 22845 K | Feed Lift Link Stud ----- | 1 |
| 28 | 61434 G | Washer ----- | 1 |
| 29 | 63434 C | Feed Bar ----- | 1 |
| 30 | 89 | Set Screw ----- | 1 |
| 31 | 15037 A | Nut ----- | 1 |
| 32 | 63439 AL | Feed Dog Holder Support ----- | 1 |
| 33 | 22775 A | Screw ----- | 1 |
| 34 | 63439 A | Feed Dog Holder ----- | 1 |
| 35 | 22528 | Screw ----- | 1 |
| 36 | 88 D | Screw ----- | 1 |
| 37 | | Feed Dog (See pages of Feed Dogs and Throat Plates)--- | 1 |
| 38 | 22768 | Screw ----- | 2 |
| 39 | 22894 J | Screw ----- | 2 |
| 40 | 61336 U | Feed Rocker Shaft Bushing ----- | 2 |
| 41 | 61336 Y | Feed Rocker Oil Wick ----- | 1 |
| 42 | 90 | Screw ----- | 2 |
| 43 | 61236 | Feed Rocker ----- | 1 |
| 44 | 63435 A | Feed Bar Shaft ----- | 2 |
| 45 | 61236 G | Feed Rocker Shaft ----- | 1 |

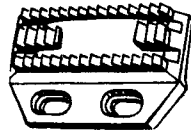


ROTATING HOOK ASSEMBLY AND HOOK OILING PARTS

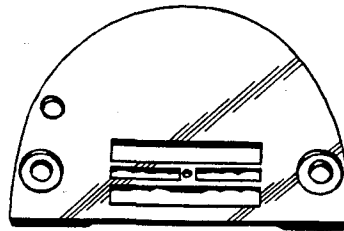
| <u>Ref. No.</u> | <u>Part No.</u> | <u>Description</u> | <u>Amt. Req.</u> |
|-----------------|-----------------|--|------------------|
| 1 | 29474 P | Rotating Hook Assembly ----- | 1 |
| 2 | 61413 E | Bobbin Case Assembly ----- | 1 |
| 3 | 61413 G | Eyelet ----- | 1 |
| 4 | 22564 F | Screw ----- | 1 |
| 5 | 61413 F | Bobbin Case ----- | 1 |
| 6 | 61414 C | Bobbin Case Tension Spring ----- | 1 |
| 7 | 22716 B | Tension Regulating Screw ----- | 1 |
| 8 | 22564 E | Screw ----- | 1 |
| 9 | 61216 N | Bobbin Case Latch Spring ----- | 1 |
| 10 | 61216 | Bobbin Case Latch Hinge Pin ----- | 1 |
| 11 | 61415 A | Bobbin Case Latch Lever ----- | 1 |
| 12 | 61415 | Bobbin Case Latch ----- | 1 |
| 13 | 22564 E | Stop Screw ----- | 1 |
| 14 | 61212 | Bobbin ----- | 1 |
| 15 | 63407 | Hook, Thread Retainer, Thread Deflector and Bobbin Case Holder Assembly ----- | 1 |
| 15A | 63414 | Bobbin Case Holder ----- | 1 |
| 16 | 63407 A | Hook, Thread Retainer and Thread Deflector Assembly ----- | 1 |
| 17 | 22716 A | Screw ----- | 4 |
| 18 | 61210 B | Hook Thread Deflector ----- | 1 |
| 19 | 63408 | Hook ----- | 1 |
| 20 | 61411 A | Hook Thread Retainer ----- | 1 |
| 21 | 22716 H | Screw ----- | 3 |
| 21A | 22565 M | Screw ----- | 1 |
| 22 | 22569 H | Set Screw ----- | 2 |
| 23 | 61351 C | Thrust Washer ----- | 2 |
| 24 | 12865 | Thrust Collar ----- | 1 |
| 25 | 88 | Screw ----- | 2 |
| 26 | 61444 | Hook Shaft Pinion ----- | 1 |
| 27 | 89 | Screw ----- | 2 |
| 28 | 61440 | Hook Shaft ----- | 1 |
| 28A | 63432 | Thrust Collar ----- | 1 |
| 28B | HA73 B | Set Screw ----- | 2 |
| 28C | 61496 V | Hook Shaft Wick Insert Assembly ----- | 1 |
| 29 | 63496 B | Metering Cup ----- | 1 |
| 30 | 61496 E | Hook Oil Feed Roller ----- | 1 |
| 31 | 61496 G | Pivot Pin ----- | 1 |
| 32 | 61496 F | Retaining Spring ----- | 1 |
| 33 | 53678 N | Washer ----- | 1 |
| 34 | 22516 B | Screw ----- | 1 |
| 35 | 61496 J | Air Seal Spring ----- | 1 |
| 36 | 666-181 | Oil Supply Felt ----- | 1 |
| 37 | 666-182 | Air Seal Felt ----- | 1 |
| 38 | 61496 C | Pump Disc ----- | 1 |
| 39 | 61496 D | Pump Disc Pivot Pin ----- | 1 |
| 40 | 35857 R | Spring ----- | 1 |
| 41 | 61496 L | Hook Oil Control Shaft ----- | 1 |
| 42 | 61496 K | Hook Oil Control Finger ----- | 1 |
| 43 | 27-527 Blk. | Washer ----- | 1 |
| 44 | 22819 | Screw ----- | 1 |
| 45 | 61496 P | Hook Oil Control Shaft Bushing ----- | 1 |
| 46 | 22894 R | Set Screw, for No. 61496 P ----- | 1 |
| 47 | 61496 N | Oil Control Adjusting Shaft ----- | 1 |
| 48 | 660-221 | Oil Seal Ring ----- | 1 |
| 49 | 39198 D | Spring Washer ----- | 1 |
| 50 | 61496 M | Oil Control Cog ----- | 2 |
| 51 | 22743 | Set Screw ----- | 1 |



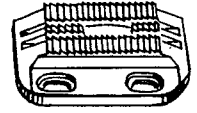
61324 J



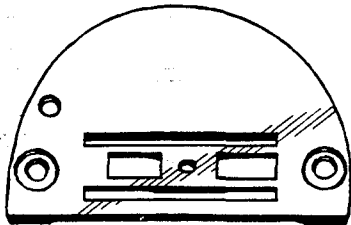
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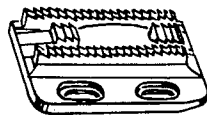
L580



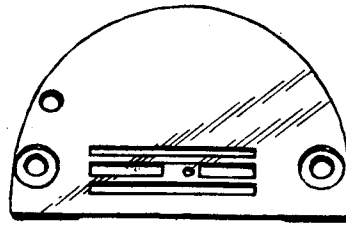
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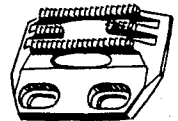
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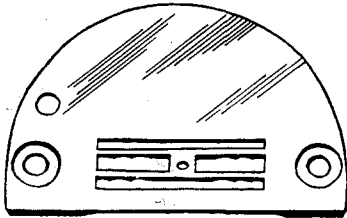
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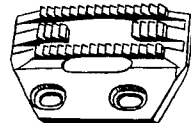
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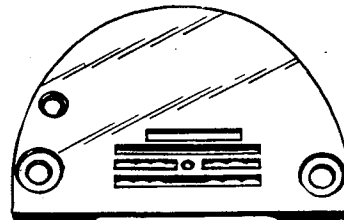
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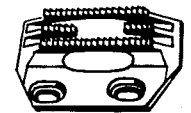
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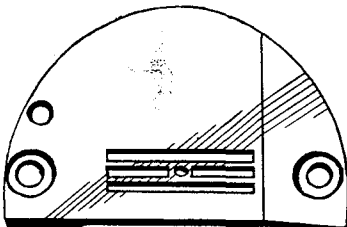
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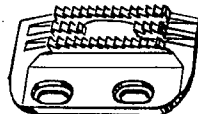
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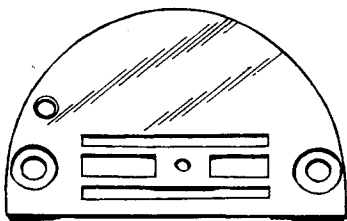
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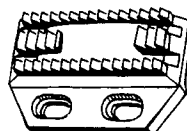
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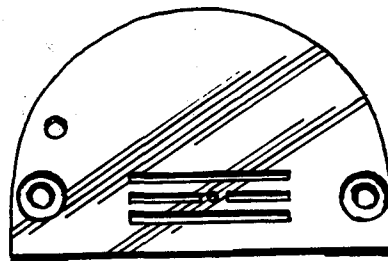
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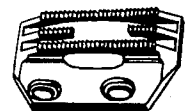
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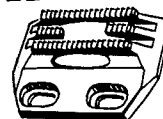
61305 M



61224 C



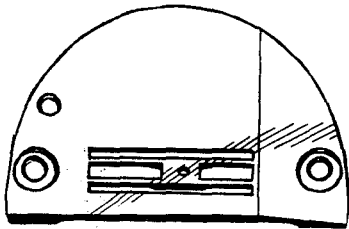
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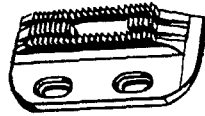
61305 S

THROAT PLATE AND FEED DOG COMBINATIONS

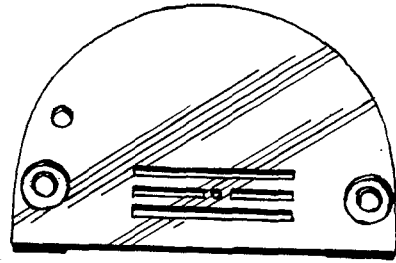
| <u>Part No.</u> | <u>Description</u> |
|-----------------|---|
| L579 | Teeth cut 22 per inch, for edge stitching pockets; throat plate No. L580, presser foot No. 61220 W |
| L580 | With .063 inch needle hole, for edge stitching pockets and similar operations; feed dog No. L579, presser foot No. 61220 W (.085 inch thick) |
| 61205 C | Teeth cut 22 per inch, for plain seaming on dress shirts, blouses, dresses and other light weight material; throat plate Nos. 61224 C-043, 61224 C-063, presser foot No. 61220 J |
| 61205 D | Teeth cut 16 per inch, for setting pockets on shirts; throat plate No. 61224 F-063, presser foot No. 61320 AH, 61320 AJ |
| 61224 C-043 | With .043 inch needle hole, for seaming and hemming silk and rayon; .063 inch needle hole for seaming dresses; also in sizes .073 and .083 inch needle hole for seaming work shirts and dress pants; feed dog Nos. 61205 C, 61305 S, presser foot No. 61220 J (.085 inch thick) |
| 61224 F-063 | With .063 inch needle hole, for setting pockets of dress shirts, also in sizes .083, .093 inch needle holes, for work shirts; feed dog No. 61205 D, presser foot Nos. 61320 AH, 61320 AJ (.085 inch thick) |
| 61305 K | Teeth cut 12 per inch, for seaming heavy weight trousers, coats, and similar garments; throat plate No. 61324 J-093, presser foot No. 61320 S |
| 61305 M | Teeth cut 12 per inch, for seaming heavy coats and trousers; throat plate No. 61324 L-093, presser foot No. 61320 S |
| 61305 Q | Teeth cut 16 per inch, for pants fly operation, using folder No. L186; throat plate No. 61324 Q-073, presser foot No. 61220 |
| 61305 S | Teeth cut 32 per inch, for miscellaneous seaming on silks, rayons; throat plate No. 61224 C-043, presser foot No. 61220 J |
| 61324 J-093 | With .093 inch needle hole, for seaming heavy weight trousers, coats, and similar garments; feed dog No. 61305 K, presser foot No. 61320 S (.125 inch thick) |
| 61324 L-093 | With .093 inch needle hole, for seaming heavy coats, trousers, and similar operations; feed dog No. 61305 M, presser foot No. 61320 S (.085 inch thick) |
| 61324 Q-073 | With .073 inch needle hole, for pants fly operations using folder No. L186; feed dog No. 61305 Q, presser foot No. 61220 (.125 inch thick) |
| 61405 C | Teeth cut 16 per inch, for sewing pocket facings with chaining between pockets, throat plate No. 61424 C-093, presser foot No. 61420 C |
| 61405 J | Teeth cut 22 per inch, for top stitching shirt collars; throat plate No. 61424 J-063, presser foot No. 61420 AH |
| 61405 Y | Teeth cut 22 per inch, for hemming shirts, throat plate No. 61424 Y-063, presser foot No. 61220 J |
| 61424 C-093 | With .093 inch needle hole, for sewing pocket facings with chaining between pockets; feed dog No. 61405 C, presser foot No. 61420 C (.125 inch thick) |
| 61424 J-063 | With .063 inch needle hole, for top stitching shirt collars; feed dog No. 61405 J, presser foot No. 61420 AH (.085 inch thick) |
| 61424 Y-063 | With .063 inch needle hole, for hemming shirts, .073 inch needle hole also available; feed dog No. 61405 Y, presser foot No. 61220 J (.085 inch thick) |



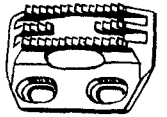
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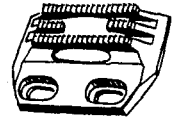
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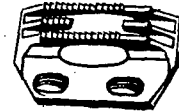
61224 C



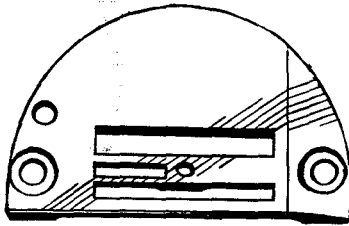
61205 A



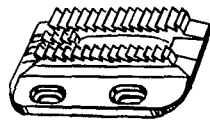
61205 C



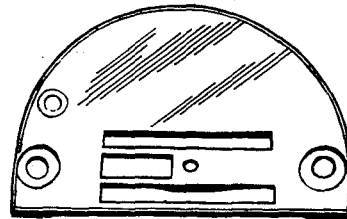
61205 CA



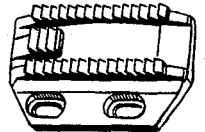
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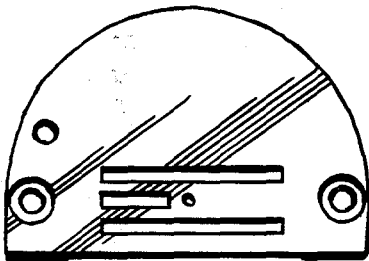
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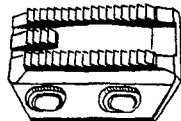
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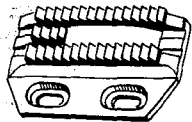
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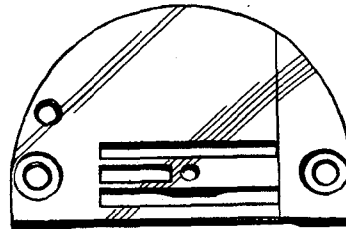
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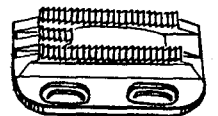
61305 F



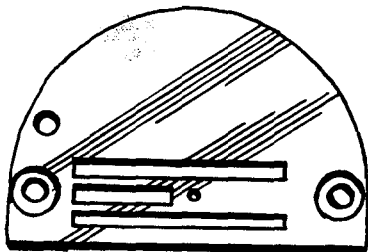
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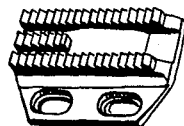
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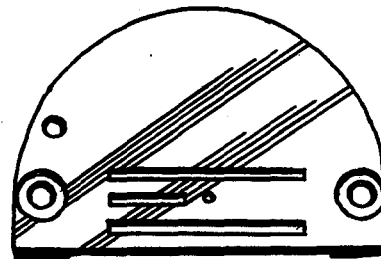
61305 T



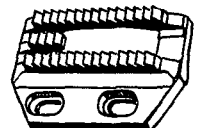
61324 C



61305 C



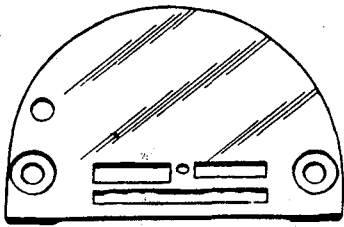
61324 A



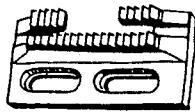
61305 A

THROAT PLATE AND FEED DOG COMBINATIONS

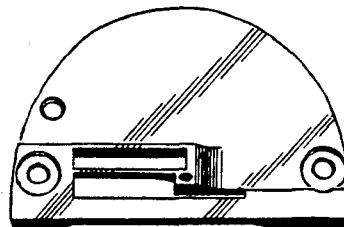
| <u>Part No.</u> | <u>Description</u> |
|-----------------|--|
| 61205 A | Teeth cut 16 per inch, for plain seaming on work shirts, dress and semi-dress pants; throat plate No. 61224 C-073, presser foot No. 61220 J, 61320 AB |
| 61205 C | Teeth cut 22 per inch, for plain seaming on dress shirts, blouses, dresses and other light material; throat plate No. 61224 C-043, 61224 C-063, presser foot No. 61220 J |
| 61205 CA | Teeth cut 22 per inch, for hemming shirts, using hemmer No. L96, throat plate No. 61224 C-073, presser foot No. 61220 J |
| 61224 C-063 | With .063 inch needle hole, for seaming dresses; also in sizes .073, .083 inch needle hole for seaming work shirts and dress pants; feed dog No. 61205 A, 61205 C, 61205 CA, presser foot No. 61220 C, 61220 J, 61320 AB (.085 inch thick) |
| 61305 A | Teeth cut 14 per inch, for miscellaneous operations on work pants, dungarees and overalls; throat plate No. 61324 A-093, presser foot No. 61220 P |
| 61305 C | Teeth cut 14 per inch, for hemming high back overall suspenders; throat plate No. 61324 C-093, presser foot No. 61320 C |
| 61305 D | Teeth cut 14 per inch, for miscellaneous seaming operations; throat plate No. 61324 D-093, presser foot No. 61320 AA |
| 61305 F | Teeth cut 16 per inch, for miscellaneous operations on light weight material; throat plate No. 61324 D-073, presser foot No. 61320 AA |
| 61305 T | Teeth cut 22 per inch, for miscellaneous seaming operations on coats and pants; throat plate No. 61324 R-093, presser foot No. 61220 P |
| 61324 A-063 | With .063 inch needle hole, for miscellaneous operations on work pants, dungarees and overalls; also in sizes .093, .125 inch needle holes; feed dog No. 61305 A, presser foot No. 61220 P (.125 inch thick) |
| 61324 C-083 | With .083 inch needle hole, for hemming high back overall suspenders; also in sizes .093, .125 inch needle holes; feed dog No. 61305 C, presser foot No. 61320 C (.125 inch thick) |
| 61324 D-063 | With .063 inch needle hole, for tacking flies to overalls and similar operations; also in sizes .073, .083, .093 inch needle holes; feed dog No. 61305 D, 61305 F, presser foot No. 61320 Q (.085 inch thick) |
| 61324 R-073 | With .073 inch needle hole, for seaming operations on coats and pants; also in size .093 inch needle hole; feed dog No. 61305 T, presser foot No. 61220 P (.125 inch thick) |
| 61405 G | Teeth cut 14 per inch, for cording couch covers; throat plate No. 61424 G-093, presser foot No. L220 |
| 61405 N | Teeth cut 14 per inch, for miscellaneous seaming operation on denim, canvas and other heavy materials; throat plate No. 61424 N-093, presser foot No. 61320 AA |
| 61405 S | Teeth cut 22 per inch, for run stitching collar operations; throat plate No. 61424 S-063, presser foot No. 61420 BJ |
| 61424 G-093 | With .093 inch needle hole for cording couch covers and similar operations; feed dog No. 61405 G, presser foot No. L220 (.125 inch thick) |
| 61424 N-093 | With .093 inch needle hole, for miscellaneous operations on denim, canvas and other heavy weight materials; feed dog No. 61405 N, presser foot No. 61320 AA (.125 inch thick) |
| 61424 S-063 | With .063 inch needle hole, for run stitching collar operations on dress and work shirts, feed dog No. 61405 S, presser foot No. 61420 BJ (.125 inch thick) |



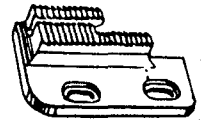
61224 E



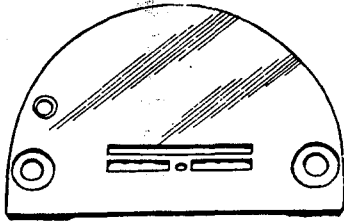
61205 E



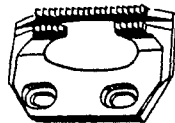
61324 U



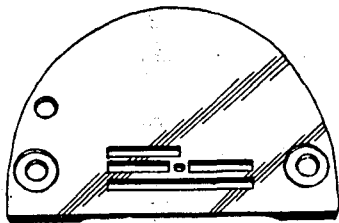
61305 U



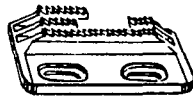
61424 M



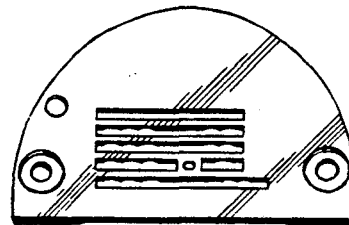
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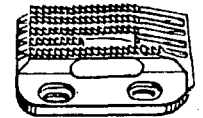
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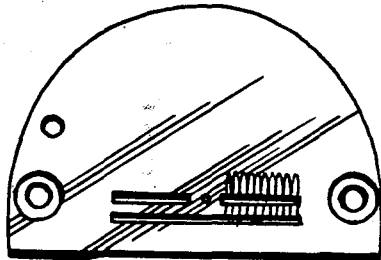
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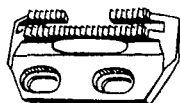
61424 AM



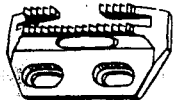
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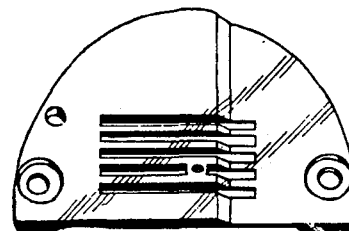
61224 B



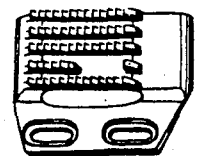
61405 Z



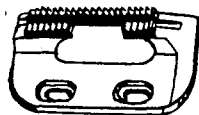
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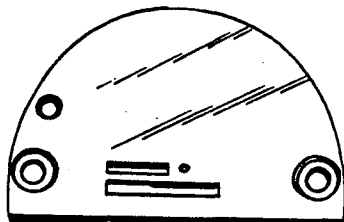
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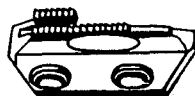
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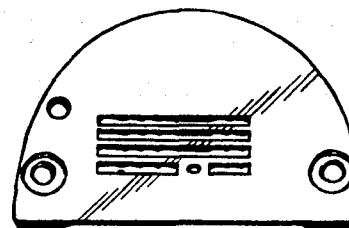
61405 H



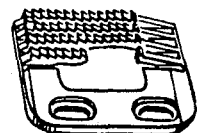
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L369



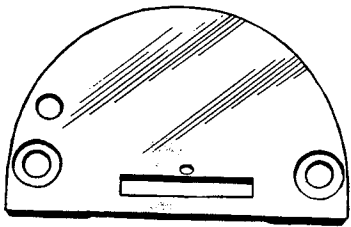
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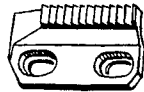
L550

THROAT PLATE AND FEED DOG COMBINATIONS

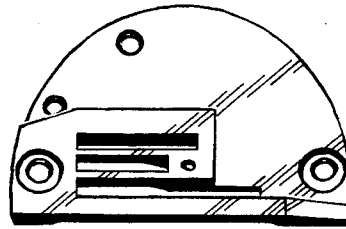
| <u>Part No.</u> | <u>Description</u> |
|-----------------|---|
| L369 | Teeth cut 22 per inch, for hemming handkerchiefs; throat plate No. L391, presser foot No. 61320 AJ |
| L391 | With .063 inch needle hole, for hemming handkerchiefs; feed dog No. L369, presser foot No. 61320 AJ (.085 inch thick) |
| L549 | With .073 inch needle hole for attaching sleeve facings to work shirts; feed dog No. L550, presser foot No. 61420 H (.125 inch thick) |
| L550 | Teeth cut 16 per inch, for attaching sleeve facings to work shirts; throat plate No. L549, presser foot No. 61420 H |
| 61205 B | Teeth cut 16 per inch, for hemming work shirts, dresses and similar garments; throat plate No. 61224 B-063, presser foot No. 61220 B, 61220 C |
| 61205 E | Teeth cut 16 per inch, for hemming work shirts; throat plate No. 61224 E-063, presser foot No. 61420 BN (use with plate hemmer) |
| 61224 B-063 | With .063 inch needle hole, for hemming house dresses; also in size .093 inch needle hole for work shirts, feed dog No. 61205 B, 61405 Z, presser foot No. 61220 B; 61220 C (.085 inch thick) |
| 61224 E-063 | With .063 inch needle hole, for hemming work shirts; feed dog No. 61205 E, presser foot No. 61420 BN (use with plate hemmer) (.085 inch thick) |
| 61305 U | Teeth cut 22 per inch, for hemming work shirts and binding plastics; throat plate No. 61324 U-063, presser foot No. 61420 BN, L82 A |
| 61324 U-063 | With .063 inch needle hole, for hemming work shirts; feed dog No. 61305 U, presser foot No. 61420 BN, L82 A (.156 inch thick) |
| 61405 H | Teeth cut 22 per inch for binding and hemming flannel shirts; throat plate No. 61424 H-063, presser foot No. L380 |
| 61405 K | Teeth cut 16 per inch, for sleeve facings on sport and work shirts; throat plate No. 61424 K-063, presser foot No. 61420 H |
| 61405 M | Teeth cut 22 per inch, for attaching yokes to shirts; throat plate No. 61424 M-063, presser foot No. 61420 BD |
| 61405 X | Teeth cut 22 per inch, for hemming on rayon; throat plate No. 61424 X-063, presser foot No. 61420 X |
| 61405 Z | Teeth cut 22 per inch, for edge stitching pockets on dresses, shirts and similar garments; throat plate No. 61224 B-063, presser foot No. 61420 AJ |
| 61405 AN | Teeth cut 22 per inch, for miscellaneous edge stitching with 1/2 inch margin; throat plate Nos. 61424 AM-053 or 61424 AM-063, presser foot Nos. 61420 AM, 61420 CM |
| 61424 K-063 | With .063 inch needle hole, for sleeve facings on sport and work shirts; feed dog No. 61405 K, presser foot No. 61420 H (.109 inch thick at front and .203 inch thick at back) |
| 61424 M-063 | With .063 inch needle hole, for attaching yokes to shirts; feed dog No. 61405 M, presser foot No. 61420 BD (.085 inch thick) |
| 61424 X-063 | With .063 inch needle hole, for hemming rayon material; feed dog No. 61405 X, presser foot No. 61420 X (.085 inch thick) |
| 61424 AM-053 | With .053 inch needle hole; also in size .063 inch needle hole for edge stitching shirts and dresses; feed dog No. 61405 AN, presser foot Nos. 61420 AM, 61420 CM (.085 inch thick) |



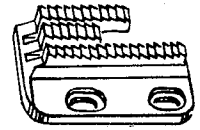
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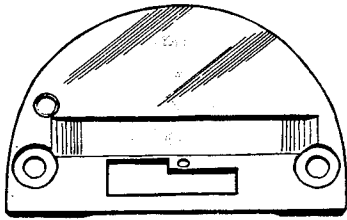
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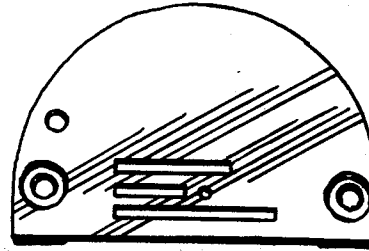
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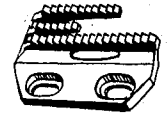
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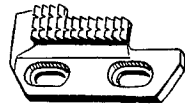
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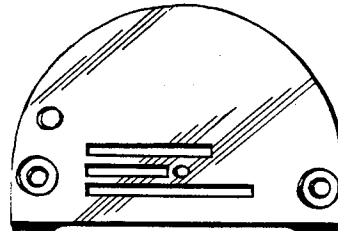
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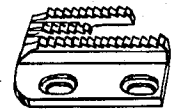
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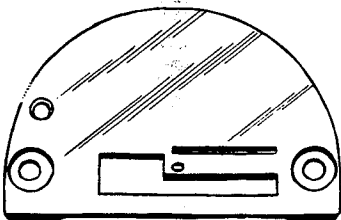
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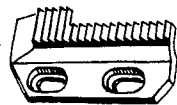
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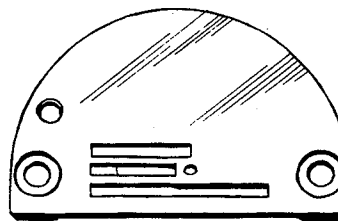
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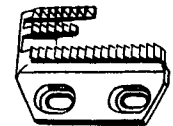
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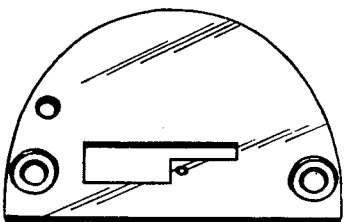
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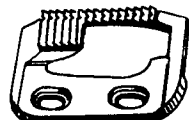
61424 L



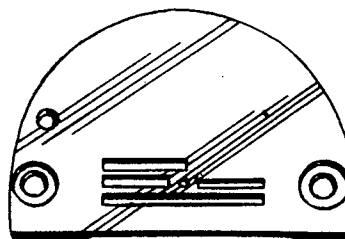
61405 L



61424 R



61405 R



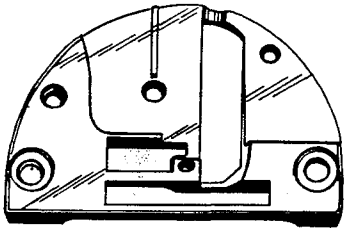
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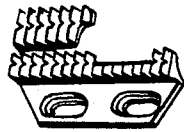
61405 AH

THROAT PLATE AND FEED DOG COMBINATIONS

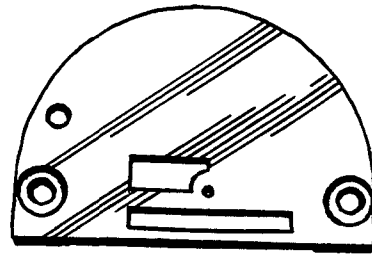
| <u>Part No.</u> | <u>Description</u> |
|-----------------|--|
| L28 | With .063 inch needle hole, for miscellaneous hemming operations; feed dog No. L29, presser foot No. L30 (.085 inch thick) |
| L29 | Teeth cut 16 per inch, for miscellaneous hemming operations; throat plate No. L28, presser foot No. L30 |
| L54 | With .063 inch needle hole, for miscellaneous seaming on leather; feed dog No. L55, presser foot No. 61420 BA; also for use with roller presser foot swing-out assembly No. K67092 (.085 inch thick) |
| L55 | Teeth cut 16 per inch, for miscellaneous seaming on leather; throat plate No. L54, presser foot No. 61420 BA; also for use with roller presser foot swing-out assembly No. K67092 |
| L222 | With .063 inch needle hole, for top stitching collars of dress shirts; feed dog No. L223, presser foot No. L768 (.085 inch thick) |
| L223 | Teeth cut 16 per inch, for top stitching collars of dress shirts; throat plate No. L222, presser foot No. L768 |
| L437 | With .083 inch needle hole, for binding operation on jackets; feed dog No. L438, presser foot No. L440 (.090 inch thick at front and on right and .190 inch thick at back) |
| L438 | Teeth cut 16 per inch, for binding operation on jackets; throat plate No. L437, presser foot No. L440 |
| 61305 | Teeth cut 16 per inch, for miscellaneous operations on cotton and wool trousers; throat plate No. 61324-093, presser foot No. 61320 B |
| 61305 N | Teeth cut 16 per inch, for miscellaneous operations on work shirts; throat plate No. 61324 N-063, presser foot No. 61320 R |
| 61324-063 | With .063 inch needle hole, for miscellaneous operations on cotton and wool trousers; also in sizes .073, .093 inch needle holes; feed dog No. 61305, presser foot No. 61320 B (.085 inch thick) |
| 61324 N-063 | With .063 inch needle hole, for miscellaneous operations on work shirts; also in sizes .073, .093 inch needle holes feed dog No. 61305 N, presser foot No. 61320 R (.125 inch thick) |
| 61405 L | Teeth cut 16 per inch, for binding rayon material; throat plate No. 61424 L-063, presser foot No. 61420 BE |
| 61405 R | Teeth cut 16 per inch, for sewing zipper tabs to pants flies; throat plate No. 61424 R-073, presser foot No. 61420 V |
| 61405 AH | Teeth cut 22 per inch, for top stitching collars and cuffs on dress and sport shirts and wash and wear material; throat plate No. 61424 AH-063, L253 compound presser bar assembly, 63430 D presser foot bottom |
| 61424 L-063 | With .063 inch needle hole, for binding rayon; feed dog No. 61405 L, presser foot No. 61420 BE (.085 inch thick) |
| 61424 R-073 | With .073 inch needle hole, for sewing zipper tabs to pants flies; feed dog No. 61405 R, presser foot No. 61420 V (.085 inch thick) |
| 61424 AH-063 | With .063 inch needle hole, for top stitching collars and cuffs on dress and sport shirts and wash and wear material: feed dog No. 61405 AH, L253 compound presser bar assembly, presser foot bottom No. 63430 D (.085 inch thick) |



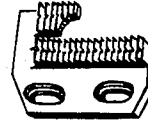
61424 T



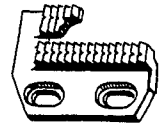
61405 T



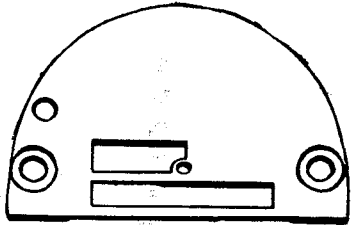
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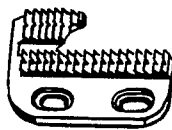
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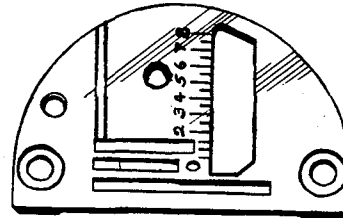
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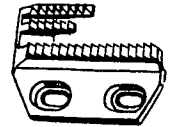
61424 U



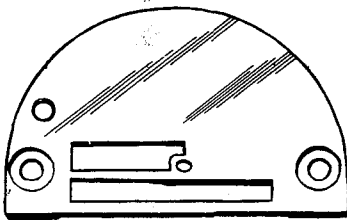
61405 U



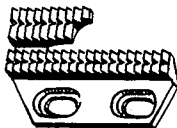
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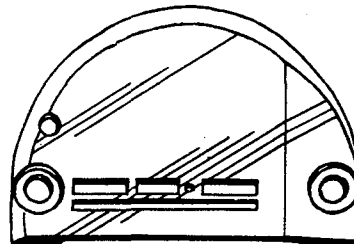
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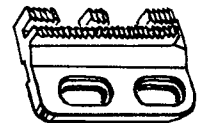
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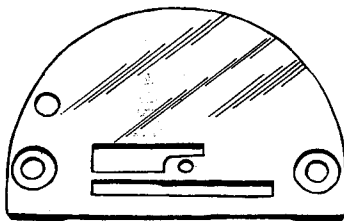
61305 E



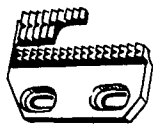
61424 AE



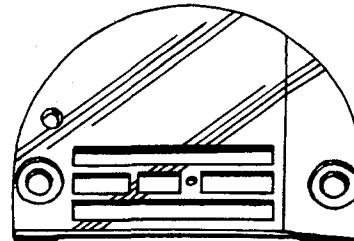
61405 AE



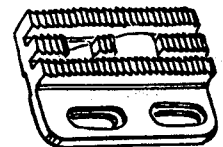
61324 F



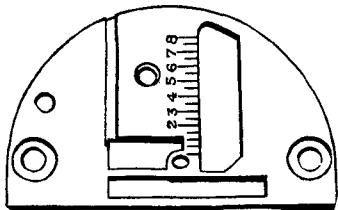
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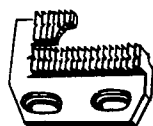
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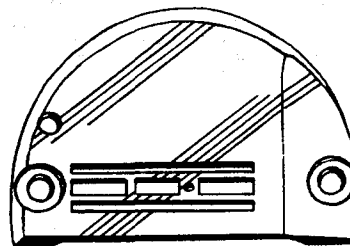
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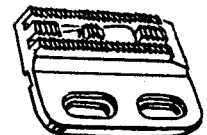
61224 D



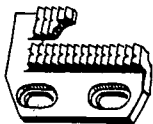
61305 B



61424 AB



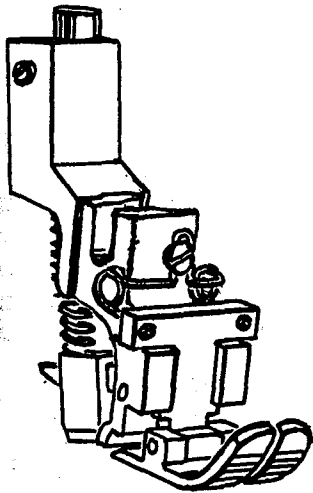
61405 AB



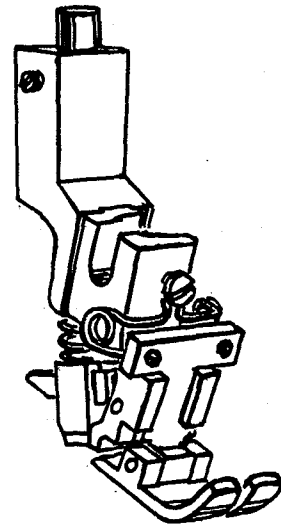
L916

THROAT PLATE AND FEED DOG COMBINATIONS

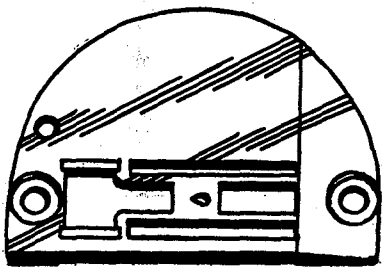
| <u>Part No.</u> | <u>Description</u> |
|-----------------|---|
| L916 | Teeth cut 22 per inch, for sewing bias strips on dresses and similar materials; throat plate Nos. 61224 D-063, 61324 B-063, presser foot No. 61220 H |
| 61224 D-063 | With .063 inch needle hole, for binding operations, used with English type binder; also in size .073 inch needle hole; feed dog Nos. 61305 B, 61305 H, L916, presser feet Nos. 61220 H, 61320 (.085 inch thick) |
| 61305 B | Teeth cut 16 per inch, for edge stitching on suit coats and vests; throat plate No. 61324 B-063, presser foot No. 61320 |
| 61305 E | Teeth cut 16 per inch, for miscellaneous operations on coats and pants; throat plate No. 61324 E-063, presser foot No. L266 |
| 61305 G | Teeth cut 16 per inch, for edge stitching coats and vests; throat plate No. 61324 F-093, presser feet Nos. 61320, L290 |
| 61324 B-063 | With .063 inch needle hole, for edge stitching on suits, coats and vests; also in sizes .073, .083, .093 inch needle holes; feed dog Nos. 61305 B, L916, presser foot No. 61320 (.085 inch thick) |
| 61324 E-063 | With .063 inch needle hole, for miscellaneous operations on coats and pants, also in sizes .073, .093 inch needle holes; feed dog No. 61305 E, presser foot No. L266 (.085 inch thick) |
| 61324 F-063 | With .063 inch needle hole, for edge stitching coats and similar garments; also in size .093 inch needle hole; feed dog No. 61305 G, presser foot No. L290 (.085 inch thick) |
| 61405 L | Teeth cut 16 per inch, for miscellaneous binding operations; throat plate No. 61424 Z-063, presser foot No. 61420 BE |
| 61405 T | Teeth cut 16 per inch, for miscellaneous binding operations on heavy weight materials; throat plate No. 61424 T-093, presser foot No. 61220 H |
| 61405 U | Teeth cut 16 per inch, for miscellaneous seaming on medium weight materials; throat plate No. 61424 U-093, presser foot No. 61220 P |
| 61405 AA | Teeth cut 22 per inch, for miscellaneous seaming operations on medium weight wash and wear materials; throat plate No. 61424 AA-063, presser foot No. 61420 BU |
| 61405 AB | Teeth cut 22 per inch, for miscellaneous seaming on light weight wash and wear materials; throat plate No. 61424 AB-063, presser foot No. 61420 AV |
| 61405 AE | Teeth cut 22 per inch, for edge stitching on wash and wear materials; throat plate No. 61424 AE-063, presser foot No. 61420 BY |
| 61424 T-093 | With .093 inch needle hole, for miscellaneous binding operations; feed dog No. 61405 T, presser foot No. 61220 H (.125 inch thick) |
| 61424 U-093 | With .093 inch needle hole, for general seaming medium weight work; feed dog No. 61405 U, presser foot No. 61220 P (.085 inch thick) |
| 61424 Z-063 | With .063 inch needle hole, for miscellaneous binding operations; feed dog No. 61405 L, presser foot No. 61420 BE (.085 inch thick) |
| 61424 AA-063 | With .063 inch needle hole, for miscellaneous seaming operations on medium weight wash and wear materials, also in size .053 inch needle hole; feed dog No. 61405 AA, presser foot No. 61420 BU (.125 inch thick) |
| 61424 AB-053 | With .053 inch needle hole, for miscellaneous seaming on light weight wash and wear materials, also in size .063 inch needle hole; feed dog No. 61405 AB, presser foot No. 61420 BV (.125 inch thick) |
| 61424 AE-053 | With .053 inch needle hole, for edge stitching on wash and wear materials; feed dog No. 61405 AE, presser foot No. 61420 BY (.125 inch thick) |



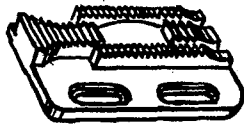
61420 BW



63420 D



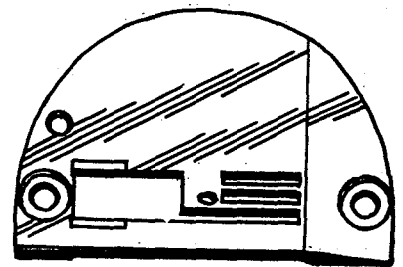
61424 AC



61405 AC



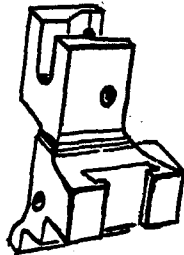
61405 AD



61424 AD



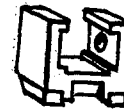
61430 AN



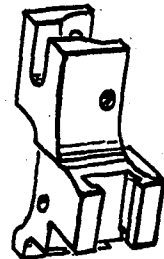
61430 AE



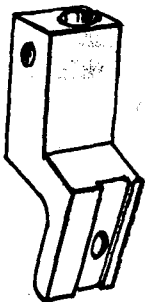
61430 CB



61430 AP



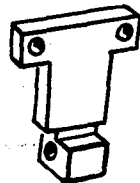
61430 AG



61430 AK



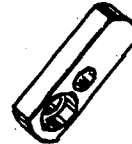
61430 AD



61430 AL



61430 AH



63471



57 WB



61430 AF



605



28 B



61330 B

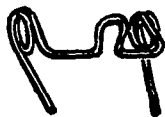
HA73 B



57 WC



61430 CA



61430 AJ



57 WD



73 A



73 C



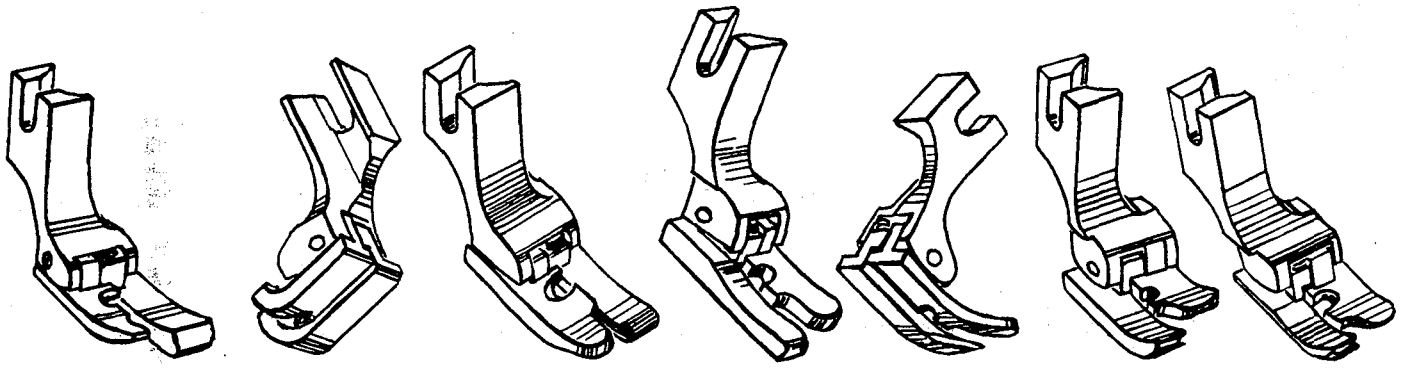
604



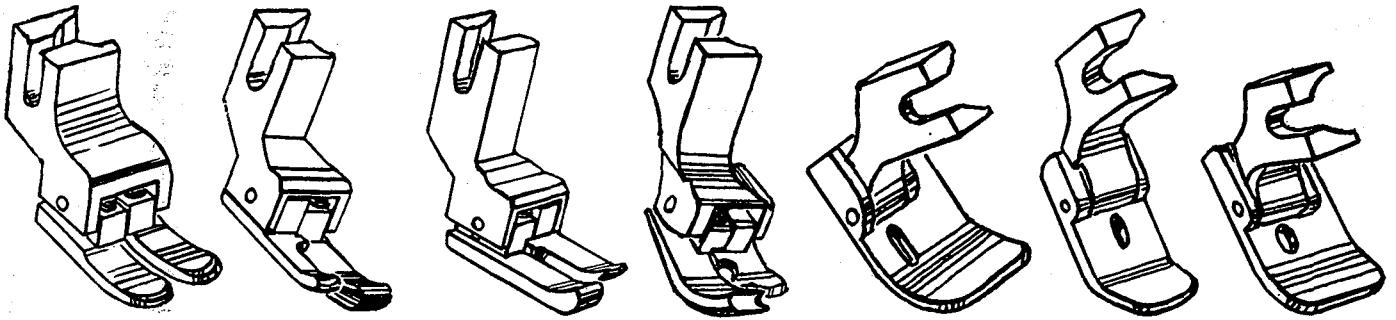
22564 B

AUTOMATIC CHAIN CUTTING COMBINATIONS AND NIPPER SPRING ASSEMBLY

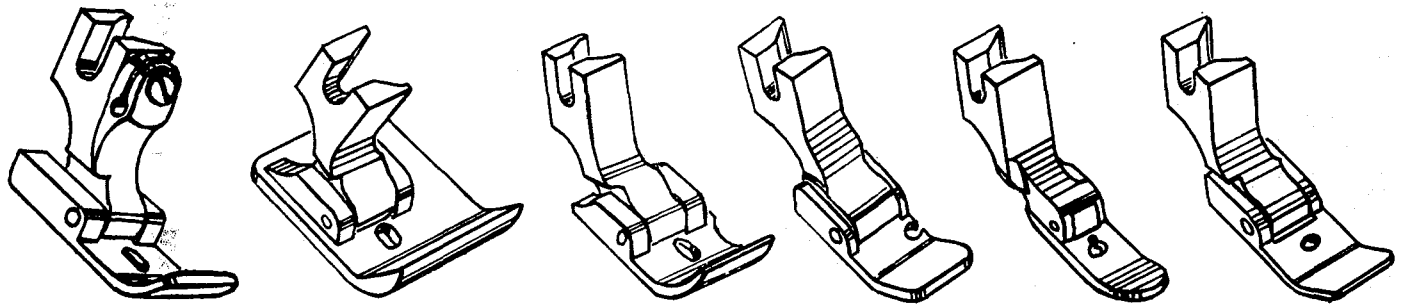
| <u>Part No.</u> | <u>Description</u> |
|-----------------|--|
| 28 B | Screw, for chain cutter No. 61430 AP |
| 57 WB | Nipper Spring Plate, for automatic chain cutting assembly Nos. 29480 CR, 29480 CS and nipper spring assembly No. 21390 BE |
| 57 WC | Nipper Spring, for automatic chain cutting assembly Nos. 29480 CR, 29480 CS and nipper spring assembly No. 21390 BE |
| 57 WD | Nipper Spring Stud, for automatic chain cutting assembly Nos. 29480 CR, 29480 CS and nipper spring assembly No. 21390 BE |
| 73 A | Screw, for spring No. 61430 AJ |
| 73 C | Screw, for adjusting pin No. 61430 CB |
| HA73 B | Screw, for chain cutter No. 61430 AN |
| 604 | Screw, for spring guide No. 61430 AK on presser foot No. 61420 BW |
| 605 | Screw, for spring guide No. 61430 AK on presser foot No. 63420 D |
| 21390 BE | Nipper Spring Assembly (nipper spring plate No. 57 WB, nipper spring No. 57 WC, nipper spring stud No. 57 WD, 22564 B attaching screw, 63471 nipper spring base, 63471 A bracket |
| 22564 B | Screw, for nipper spring base No. 63471 |
| 29480 CR | Automatic Chain Cutting Assembly (nipper spring assembly No. 21390 BE, feed dog No. 61405 AC, throat plate No. 61424 AC-063, presser foot No. 61420 BW |
| 29480 CS | Automatic Chain Cutting Assembly (nipper spring assembly No. 21390 BE, feed dog No. 61405 AD, throat plate No. 61424 AD-063, presser foot No. 63420 D |
| 61330 B-29 | Hinge Pin, 29/64 inch long for presser foot No. 63420 D |
| 61330 B-39 | Hinge Pin, 39/64 inch long for presser foot No. 61420 BW |
| 61405 AC | Feed Dog, for automatic chain cutting assembly No. 29480 CR |
| 61405 AD | Feed Dog, for automatic chain cutting assembly No. 29480 CS |
| 61420 BW | Presser Foot, for automatic chain cutting assembly No. 29480 CR |
| 61424 AC-063 | Throat Plate, .063 inch needle hole for automatic chain cutting assembly No. 29480 CR |
| 61424 AD-063 | Throat Plate, .063 inch needle hole for automatic chain cutting assembly No. 29480 CS |
| 61430 AD | Presser Foot Bottom, for presser foot No. 61420 BW |
| 61430 AE | Presser Foot Shank, for presser foot No. 61420 BW |
| 61430 AF | Presser Foot Bottom, for presser foot No. 63420 D |
| 61430 AG | Presser Foot Shank, for presser foot No. 63420 D |
| 61430 AH | Chain Cutter Spring, for presser feet Nos. 61420 BW, 63420 D |
| 61430 AJ | Torsion Spring, for bottom on presser feet Nos. 61420 BW, 63420 D |
| 61430 AK | Spring Guide, for presser feet Nos. 61420 BW, 63420 D |
| 61430 AL | Yielding Section, for presser feet Nos. 61420 BW, 63420 D |
| 61430 AN | Chain Cutter, marked "G" for presser foot No. 61420 BW |
| 61430 AP | Chain Cutter, marked "H" for presser foot No. 63420 D |
| 61430 CA | Adjustment Slide, for presser feet Nos. 61420 BW, 63420 D |
| 61430 CB | Adjusting Pin, for presser feet Nos. 61420 BW, 63420 D |
| 63420 D | Presser Foot, for automatic chain cutting assembly No. 29480 CS |
| 63471 | Nipper Spring Base, for automatic chain cutting assembly Nos. 29480 CR, 29480 CS and nipper spring assembly No. 21390 BE |
| 63471 A | Nipper Spring Assembly Mounting Bracket, for nipper spring assembly No. 21390 BE |



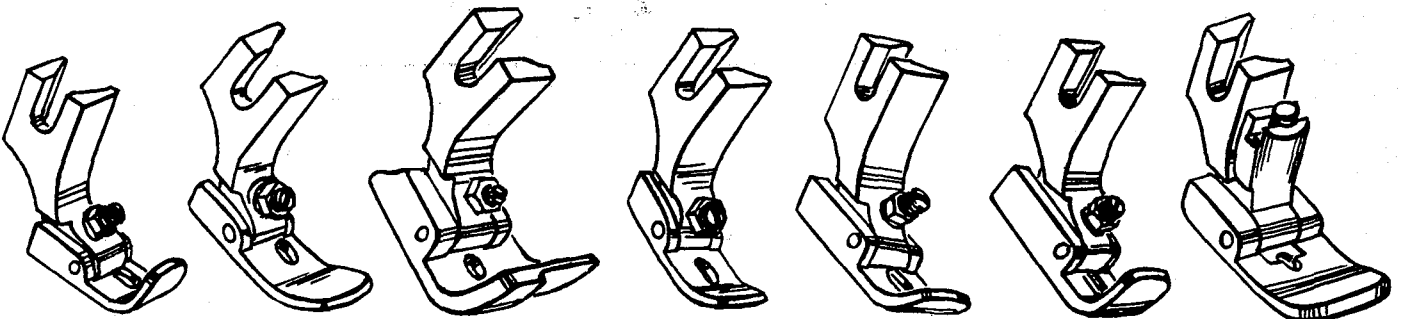
61420 AN L440 61220 S 61220 W 61320 AG 61320 AH 61320 AJ



61420 61420 A 61420 B L498 A 61220 K 61220 61220 Q



L86 A L412 61420 AP 61420 AR 61420 AT L525

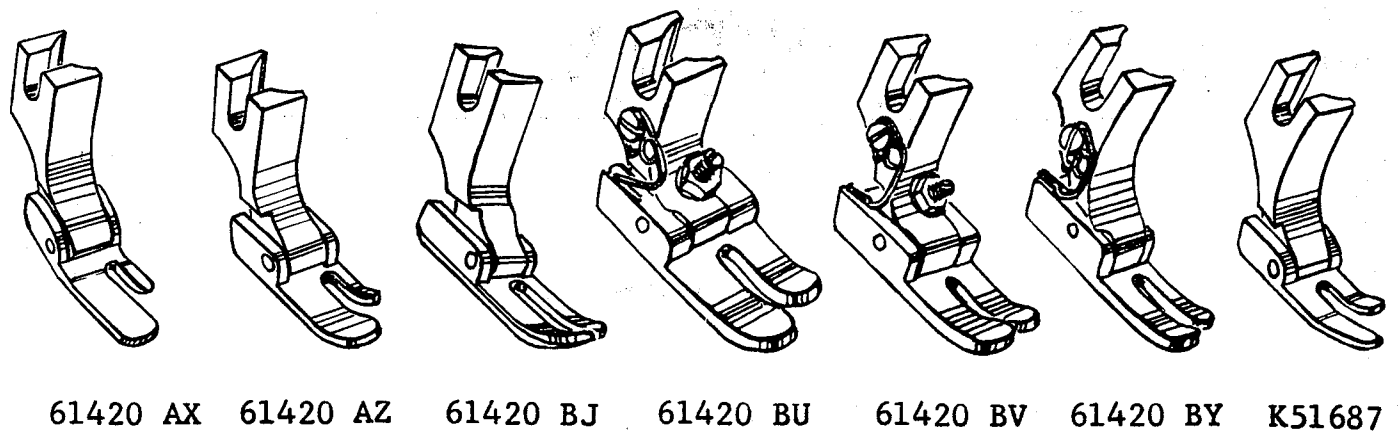
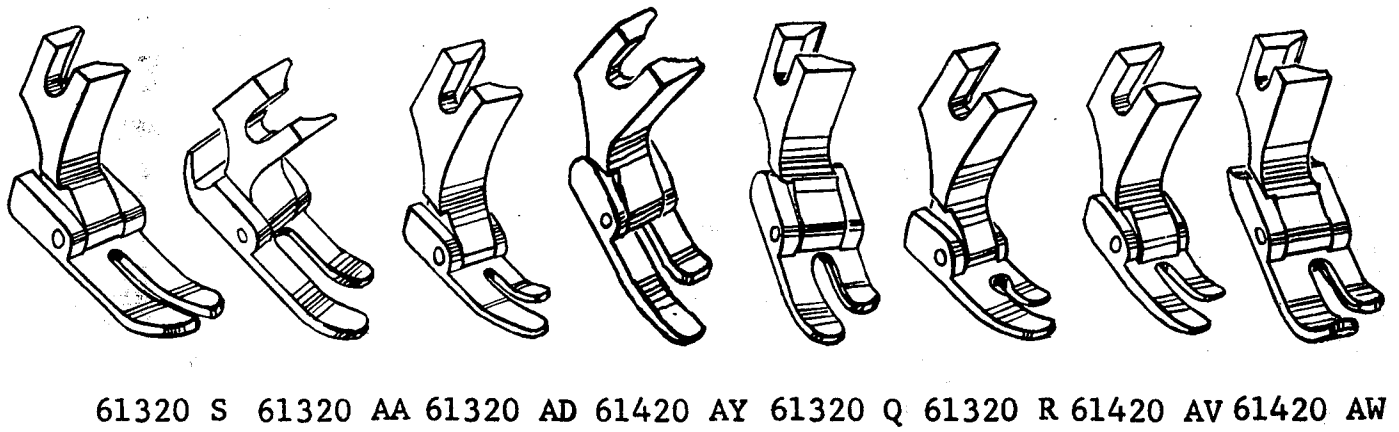
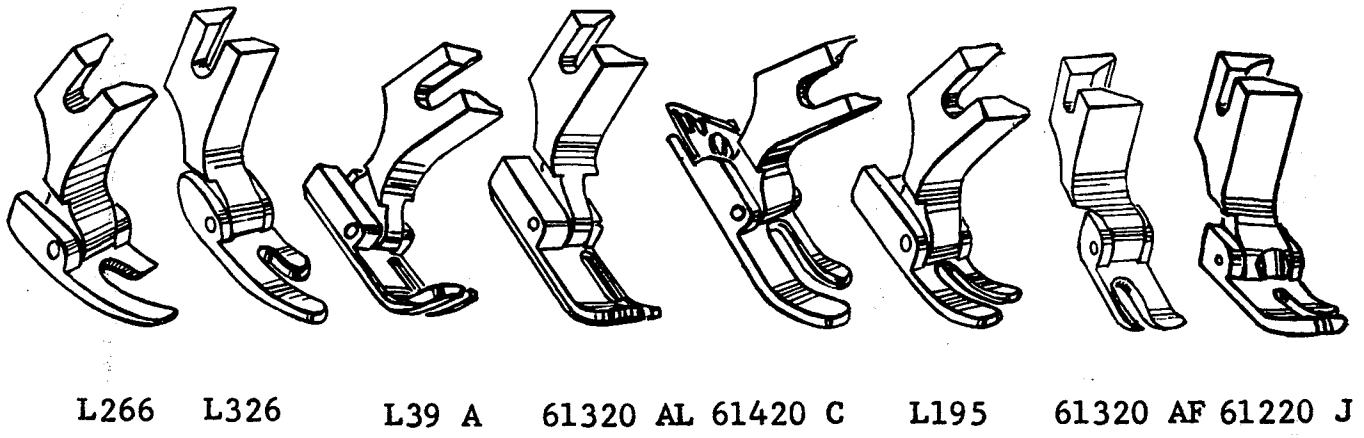
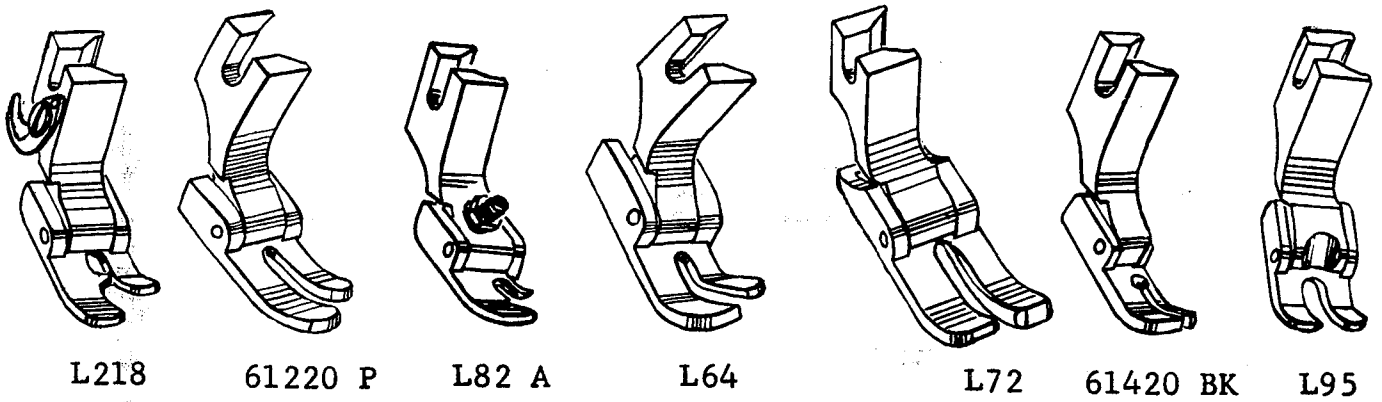


L943 L293 61420 CM 61420 BR 61420 BT 61420 AS L158

PRESSER FEET

| <u>Part No.</u> | <u>Description</u> |
|-----------------|--|
| L86 A | For welt seaming pants one operation, split shank for No. 23133 F welt guide; feed dog No. 61305 C, throat plate No. 61324 C-093 (welt guide screw No. 604) |
| L158 | For miscellaneous seaming, chaining section behind needle; feed dog No. 61305 A, throat plate No. 61324 A-093 (bottom No. 61330 W, yielding section No. 61330 V, spring No. 1230 B) |
| L293 | For miscellaneous house dress operations; feed dog No. 61305, throat plate No. 61324-063 (shank No. 61330 AH, bottom No. 61330 Y, adjusting screw No. 22840 A, nut No. 51430 F) |
| L412 | For making pants flies with folder No. L464; feed dog No. 61305 A, throat plate No. 61324 A-093 (shank No. 61330 AC, spring No. 51930) |
| L440 | For binding operations on jackets and work shirts; feed dog No. L438, throat plate No. L437 |
| L498 A | For hemming work and dress shirts, use plate hemmer; feed dog No. 61205 A, throat plate No. 61224 C-063 (shank No. 61230 X, bottom No. 61330 AR, spring No. 51930, hinge pin No. 61330 B-35) |
| L525 | For hemming cuffs and collar bands, use hemmer folder; feed dog No. 61205 A, throat plate No. 61224 C-073 (shank No. 61330 AC, hinge pin No. 61330 B-29) |
| L943 | For miscellaneous seaming on plastics; feed dog No. 61305 U, throat plate No. 61324 U-063 (shank No. 61330 AH, adjusting screw No. 22840 A, nut No. 51430 F, hinge pin No. 61330 B-29) |
| 61220 | For pants fly operations, using folder No. L186; feed dog No. 61305 Q, throat plate No. 61324 Q-073 (shank No. 61330, bottom No. 61330 Y, hinge pin No. 61330 B-31) |
| 61220 K | For attaching sleeve facings to shirts; feed dog No. 61405 K, throat plate No. 61424 K-063 (shank No. 61330 AC, bottom No. 61330 AD, spring No. 51930, hinge pin No. 61330 B-29) |
| 61220 Q | For hemming pants flies; feed dog No. 61205 C, throat plate No. 61224 C-063 (shank No. 61330 AC, bottom No. 61330 AE, spring No. 51930, hinge pin No. 61330 B-29) |
| 61220 S | For stitching shirt pockets, right side, yielding; feed dog No. 61205 A, throat plate No. 61224 C-063 (shank No. 61230 S, bottom No. 61230 L, right yielding section No. 61230 M, spring No. 51930, hinge pin No. 61330 B-31) |
| 61220 W | For edge stitching pockets, left side yielding; feed dog No. L579, throat plate No. L580 (shank No. 61230 X, bottom No. 61230 V, left yielding section No. 61230 W, spring No. 51930, hinge pin No. 61330 B-35) |
| 61320 AG | For edge stitching shirt pockets, right side yielding; feed dog No. 61205 C, throat plate No. 61224 C-063 (shank No. 61330 AK, bottom No. 61330 AJ, right yielding section No. 61330 AL, spring No. 51930, hinge pin No. 61330 B-35) |
| 61320 AH | For edge stitching shirt pockets, left side yielding; feed dog No. 61205 C, throat plate No. 61224 C-063 (shank No. 61330 AP, bottom No. 61330 AM, left yielding section No. 61330 AN, spring No. 51930, hinge pin No. 61330 B-31) |
| 61320 AJ | For edge stitching shirt pockets, left side yielding; feed dog No. 61205 C, throat plate No. 61224 C-063 (shank No. 61230 X, bottom No. 61330 AR, left yielding section No. 61330 AS, spring No. 51930, hinge pin No. 61330 B-35) |
| 61420 | For stitching down waistbands on pants, both sides yielding; feed dog No. 61305 A, throat plate No. 61324 A-093 |
| 61420 A | For second operation attaching collars, right side yielding; feed dog No. 61205 A, throat plate No. 61224 C-063 |
| 61420 B | For second operation attaching collars, left side yielding; feed dog No. 61205 A, throat plate No. 61224 C-063 |
| 61420 AN | For setting shirt pockets, 1/32 inch margin; feed dog No. 61205 C, throat plate No. 61224 C-063 (spring No. 51930, hinge screw No. 22799 H) |
| 61420 AP | For one operation pants fly, for medium weight materials; folder No. L495, feed dog No. 61305 A, throat plate No. 61324 A-093 (shank No. 61330, hinge pin No. 61330 B-29) |
| 61420 AR | For miscellaneous edge stitching, 1/32 inch margin; edge guide No. 61303, feed dog No. 61205 E, throat plate No. 61224 E-063 (hinge pin No. 61330 B-29) |
| 61420 AS | For miscellaneous operations on plastics; feed dog No. 61305 U, throat plate No. 61324 U-063 (shank No. 61330 AH, adjusting screw No. 22840 A, nut No. 51430 F, hinge pin No. 61330 B-29) |
| 61420 AT | For miscellaneous operations on silk, rayon, and light weight materials; feed dog No. 61205 C, throat plate No. 61224 C-063 |
| 61420 BR | For miscellaneous seaming on plastics; feed dog No. 61305 U, throat plate No. 61324 U-063 (shank No. 61330 AH, bottom No. 61430 T, adjusting screw No. 22840 A, nut No. 51430 F, hinge pin No. 61330 B-31) |
| 61420 BT | For miscellaneous seaming on plastics; feed dog No. 61305 U, throat plate No. 61324 U-063 (shank No. 61330 AH, bottom No. 61430 Y, adjusting screw No. 22840 A, nut No. 51430 F, hinge pin No. 61330 B-31) |
| 61420 CM | For sleeve facing operation; feed dog No. 61405 AN, throat plate Nos. 61424 AM-053 or 61424 AM-063 (shank No. 61330 AH, adjusting screw 22840 A, nut No. 51430 F, hinge pin No. 61330 B-35) |

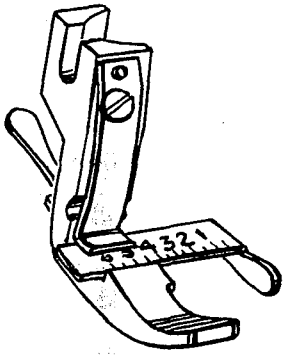
NOTE: See page 78 for sewing margins of presser feet.



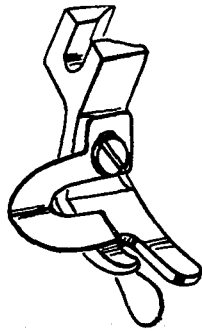
PRESSER FEET

| <u>Part No.</u> | <u>Description</u> |
|-----------------|--|
| L39 A | For seaming on two or more ply materials; feed dog No. 61305 T, throat plate No. 61324 R-073 (spring No. 51930, hinge pin No. 61330 B-29) |
| L64 | For hemming overall suspender straps; feed dog No. 61305 M, throat plate No. 61324 L-093 (shank No. 61330) |
| L72 | For edge stitching, right side of bottom 1/32 inch lower, 1/16 inch to right of needle, feed dog No. 61305 C, throat plate No. 61324 C-063 (shank No. 61330, hinge pin No. 61330 B-35) |
| L82 A | For binding plastics; feed dog No. 61305 U, throat plate No. 61324 U-063 (shank No. 61330 AH, bottom No. 61330 Z, adjusting screw No. 22840 A, nut No. 51430 F, hinge pin No. 61330 B-29) |
| L95 | For miscellaneous seaming operations; feed dog No. 61205 A, throat plate No. 61224 C-063 (shank No. 61330, hinge pin No. 61330 B-31) |
| L195 | For miscellaneous shirt operations; feed dog No. 61205 A, throat plate No. 61224 C-063 (shank No. 61330 AC, hinge pin No. 61330 B-29) |
| L218 | For edge stitching dress shirt collars; feed dog No. 61205 A, throat plate No. 61224 C-063 (shank No. 61330, bottom No. 61230 F, pin No. 1741 A, knife No. 1741 B, screw No. 187 A, hinge pin No. 61330 B-35) |
| L266 | For miscellaneous operations on suit pants and coats; feed dog No. 61305 E, throat plate No. 61324 E-073 (shank No. 61330 AC, hinge pin No. 61330 B-35) |
| L326 | For miscellaneous seaming, 5/16 inch feed surface in back of needle; feed dog No. 61305 B, throat plate No. 61324 B-093 (shank No. 61330 AC, spring No. 61230 AK, hinge pin No. 61330 B-31) |
| K51687 | For miscellaneous seaming on light weight materials; feed dog No. 61205 C, throat plate No. 61224 C-063 (shank No. 61330 AC, hinge pin No. 61330 B-29) |
| 61220 J | For seaming light and medium weight woven materials; has spring for raising toe; feed dog No. 61205 C, throat plate No. 61224 C-063 (shank No. 61330, bottom No. 61330 Z, spring No. 61230 AK, hinge pin No. 61330 B-31) |
| 61220 P | For miscellaneous operations on medium weight materials; has spring for raising toe; feed dog No. 61305 A, throat plate No. 61324 A-093 (shank No. 61330, bottom No. 61330 AG, spring No. 51930, hinge pin No. 61330 B-35) |
| 61320 Q | For tacking flies to overalls; feed dog No. 61305 F, throat plate No. 61324 D-063 (shank No. 61330, bottom No. 61330 R, hinge pin No. 61330 B-35) |
| 61320 R | For plain seaming operations on work shirts; feed dog No. 61305 N, throat plate No. 61324 N-073 (shank No. 61330 AC, bottom No. 61330 AF, hinge pin No. 61330 B-31) |
| 61320 S | For miscellaneous operations on heavy coats, trousers and similar operations; feed dog No. 61305 K, throat plate No. 61324 J-093 (shank No. 61330, bottom No. 61330 T, hinge pin No. 61330 B-29) |
| 61320 AA | For miscellaneous operations on denim, canvas and other heavy materials; feed dog No. 61305 C, throat plate No. 61324 C-093 (shank No. 61330 AC, bottom No. 61330 AB, spring No. 51930, hinge pin No. 61330 B-35) |
| 61320 AD | For miscellaneous seaming operations on rayon and other light materials; feed dog No. 61205 C, throat plate No. 61224 C-063 (shank No. 61330 AC, bottom No. 61330 AU, spring No. 61230 AK, hinge pin No. 61330 B-31) |
| 61320 AF | For sewing zipper tabs to various type garments, feed dog No. 61205 A, throat plate No. 61224 C-063 |
| 61320 AL | For miscellaneous seaming on heavy materials; feed dog Nos. 61205 A, 61305 T, throat plate Nos. 61224 C-083, 61324 R-093 (shank No. 61330 AV, bottom No. 61330 AW, hinge pin No. 61330 B-29) |
| 61420 C | For sewing on pocket facing to trousers and chaining between pockets, foot equipped with chain cutting knife, feed dog No. 61405 C, throat plate No. 61424 C-093 (shank No. 61330, bottom No. 61430 C, knife No. 61430 A, knife guard No. 61430 B, spring No. 51930, screw No. 73 A, hinge pin No. 61330 B-35) |
| 61420 AV | For miscellaneous seaming on dresses and shirts made of light weight woven materials; feed dog No. 61205 E, throat plate No. 61224 E-063 (spring No. 51930, hinge pin No. 61330 B-29) |
| 61420 AW | For miscellaneous seaming on dress pants and suits made of cotton and wool materials; feed dog No. 61305 C, throat plate No. 61324 C-093 (shank No. 61330, hinge pin No. 61330 B-35) |
| 61420 AX | For sewing zipper tabs to pants flies; feed dog No. 61205 E, throat plate No. 61224 E-063 (hinge pin No. 61330 B-29) |
| 61420 AY | For miscellaneous seaming on work and dress pants; feed dog No. 61205 A, throat plate No. 61224 C-063 (shank No. 61330) |
| 61420 AZ | For sewing zipper tabs, feed dog No. 61205 E, throat plate No. 61224 E-063 (shank No. 61330 AV, hinge pin No. 61330 B-29) |
| 61420 BJ | For collar operation on dress shirts; feed dog No. 61405 S, throat plate No. 61424 S-063 (shank No. 61330) |
| 61420 BK | For attaching waistbands, hemming trousers and sewing zippers to rayon material; feed dog No. 61205 C, throat plate No. 61224 C-063 (shank No. 61330 AV, hinge pin No. 61330 B-29) |
| 61420 BU | For setting front pockets on wash and wear pants; feed dog No. 61405 AA, throat plate No. 61424 AA-063 (shank No. 61430 AA, bottom No. 61430 AB, spring No. 61430 BB, adjusting screw No. 22565 E, screw No. 226, nut No. 51430 F) |
| 61420 BV | For edge stitching operations on wash and wear shirts and pants; feed dog No. 61405 AB, throat plate No. 61424 AB-053 (shank No. 61430 AA, bottom No. 61430 AC, spring No. 61430 BB, adjusting screw No. 22565 E, screw No. 226, nut No. 51430 F) |
| 61420 BY | For miscellaneous operations on wash and wear materials; feed dog No. 61405 AE, throat plate No. 61424 AE-053 (shank No. 61430 AT, bottom No. 61430 AS, spring No. 61430 BB, screw No. 226) |

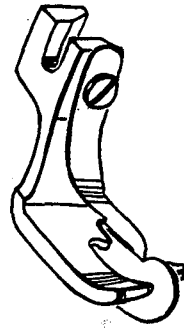
NOTE: See page 78 for sewing margins of presser feet.



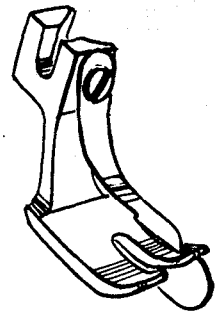
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61420 K



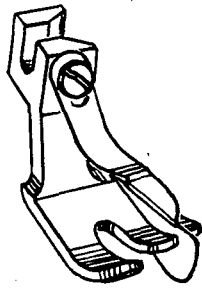
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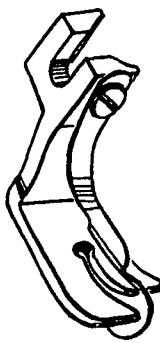
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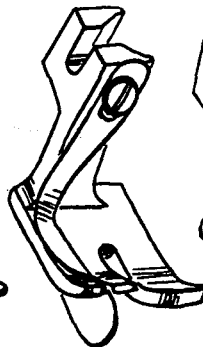
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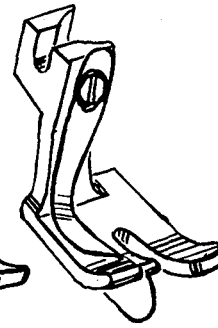
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61320 V



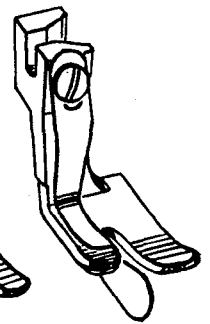
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L637



61420 L



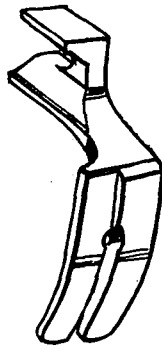
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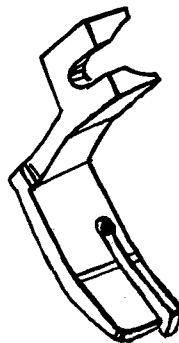
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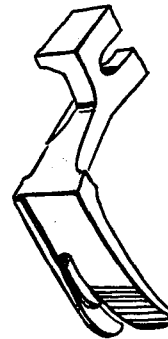
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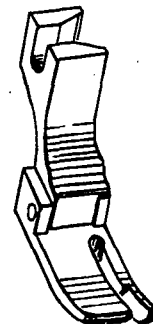
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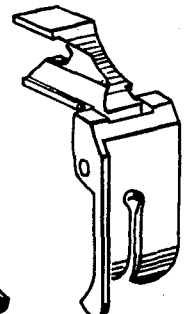
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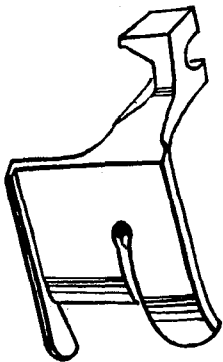
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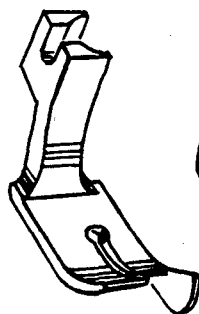
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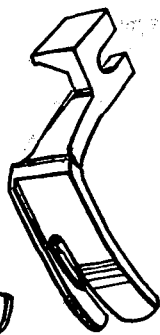
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61420 AM



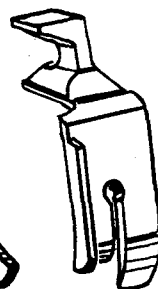
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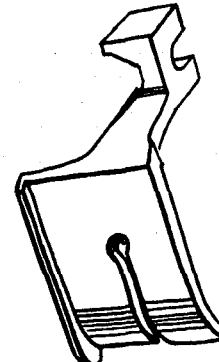
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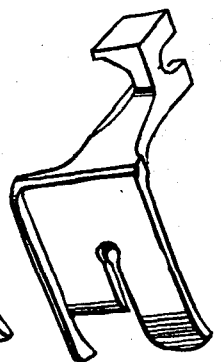
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61420 AH



61420 AG

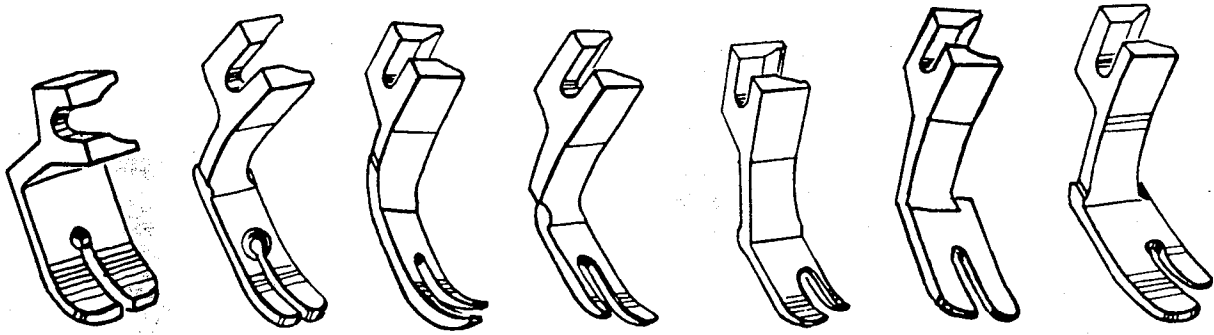


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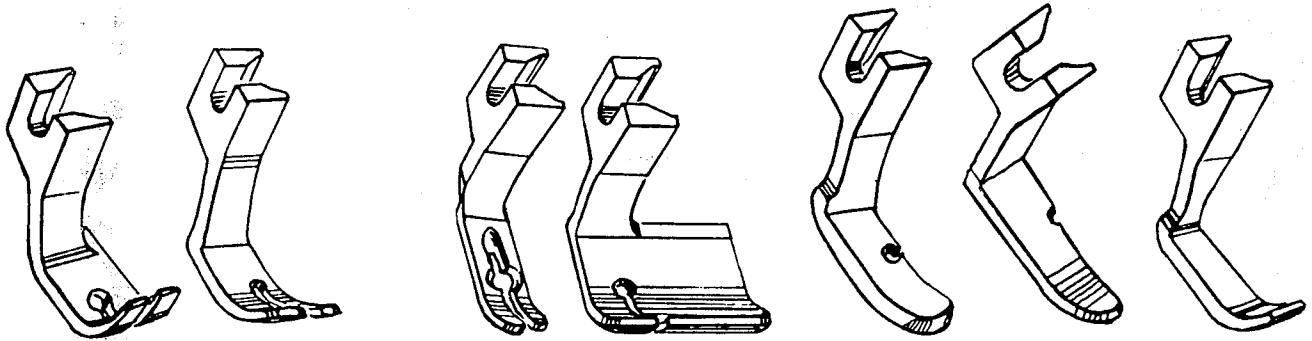
PRESSER FEET

| <u>Part No.</u> | <u>Description</u> |
|-----------------|--|
| L17 | For edge stitching collars, left side of bottom .030 inch lower; feed dog No. 61205 A, throat plate No. 61224 C-073 |
| L336 | For edge stitching, spring guide located 1/4 inch to left of needle; feed dog No. 61305 A, throat plate No. 61324 A-093 (spring guide No. L683, screw No. 187 A) |
| L415 | For edge stitching on heavy materials, 3/32 inch margin to left of needle; feed dog No. 61205 D, throat plate No. 61224 F-083 (spring guide No. L683, screw No. 187 A) |
| L637 | For edge stitching, 3/16 inch margin to left of needle; feed dog No. 61305 A, throat plate No. 61324 A-093 (spring guide No. L683, screw No. 187 A) |
| L653 | For hemming, with plate hemmer, 3/32 inch margin to right of needle; feed dog No. 61405 L, throat plate No. 61424 L-063; (spring guide L122 A, spring No. 51930, screw No. 73 A, hinge pin No. 61330 B-29) |
| 61220 N | For attaching labels, guide 1/16 inch to right of needle; feed dog No. 61205 A, throat plate No. 61224 C-063 |
| 61220 AC | For edge stitching collar bands, guide 3/64 inch to right of needle; feed dog No. 61205 A, throat plate No. 61224 C-063 (spring guide No. 61230 U, screw No. 187 A) |
| 61320 E | For edge stitching overall pockets, guide 3/32 inch to right of needle; feed dog No. 61305 A, throat plate No. 61324 A-093 (spring guide No. 61330 E, screw No. 187 A) |
| 61320 F | For edge stitching overall pockets, guide 3/16 inch to right of needle; feed dog No. 61305 A, throat plate No. 61324 A-093 (spring guide No. 61330 F, screw No. 187 A) |
| 61320 N | For edge stitching adjustable guide; feed dog No. 61205 B, throat plate No. 61224 B-063 (main section No. 61330 M, spring No. 61330 N, spring release lever No. 61330 P, guide No. 61330 Q, screw No. 22547 A) |
| 61320 U | For edge stitching overalls, guide 1/16 inch to right of needle; feed dog No. 61305 A, throat plate No. 61324 A-093 (spring guide No. 61230 U, screw No. 187 A) |
| 61320 V | For edge stitching overall pockets, guide 1/8 inch to right of needle; feed dog No. 61305 A, throat plate No. 61324 A-093 (spring guide No. 61330 E, screw No. 187 A) |
| 61320 AB | For edge stitching on pants flies, guide 1/16 inch to right of needle; feed dog No. 61205 A, throat plate No. 61224 C-073 |
| 61320 AE | For miscellaneous edge stitching, spring guide located 1/4 inch to right of needle, feed dog No. 61305 A, throat plate No. 61324 A-093 (spring guide No. 61330 F, screw No. 187 A) |
| 61420 E | For edge stitching, guide 1/4 inch to right of needle; feed dog No. 61305 A, throat plate No. 61324 A-093 |
| 61420 K | For setting pockets, spring guide 1/16 inch to left of needle; feed dog No. 61305 A, throat plate No. 61324 A-093 (spring guide No. 61430 M, screw No. 22561) |
| 61420 L | For setting pockets to work shirts, spring guide 1/16 inch to left of needle; feed dog No. 61205 C, throat plate No. 61224 C-083 (spring guide No. 61430 N, screw No. 187 A) |
| 61420 AD | For edge stitching coats and jackets, 3/16 inch margin to right of needle; feed dog No. 61205 A, throat plate No. 61224 C-083 (shank No. 61330, hinge pin No. 61330 B-39) |
| 61420 AF | For edge stitching shirts and dresses, 1/32 inch margin to right of needle; feed dog No. 61405 Z, throat plate No. 61224 B-063 (hinge pin No. 61330 B-29) |
| 61420 AG | For edge stitching work jackets, 3/8 inch margin to right of needle; feed dog No. 61205 D, throat plate No. 61224 F-063 |
| 61420 AH | For top stitching shirt and pajama collars, 3/16 inch margin to right of needle; feed dog No. 61405 J, throat plate No. 61424 J-063 |
| 61420 AJ | For edge stitching pockets on dresses and shirts, 1/32 inch margin to right of needle; feed dog No. 61405 Z, throat plate No. 61224 B-063 |
| 61420 AK | For edge stitching on light to heavy materials, 3/8 inch margin to right of needle; feed dog No. 61305 A, throat plate No. 61324 A-093 |
| 61420 AM | For edge stitching, 1/2 inch margin to right of needle; feed dog 61405 AN, throat plate No. 61424 AM-053 or 61424 AM-063 |
| 61420 BH | For edge stitching, 1/8 inch margin to right of needle; feed dog No. 61305 A, throat plate No. 61324 A-093 |

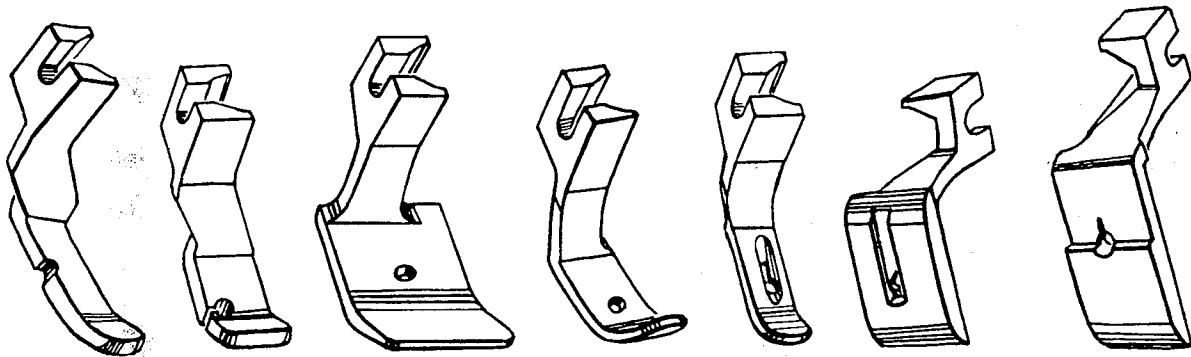
NOTE: See page 78 for sewing margins of presser feet.



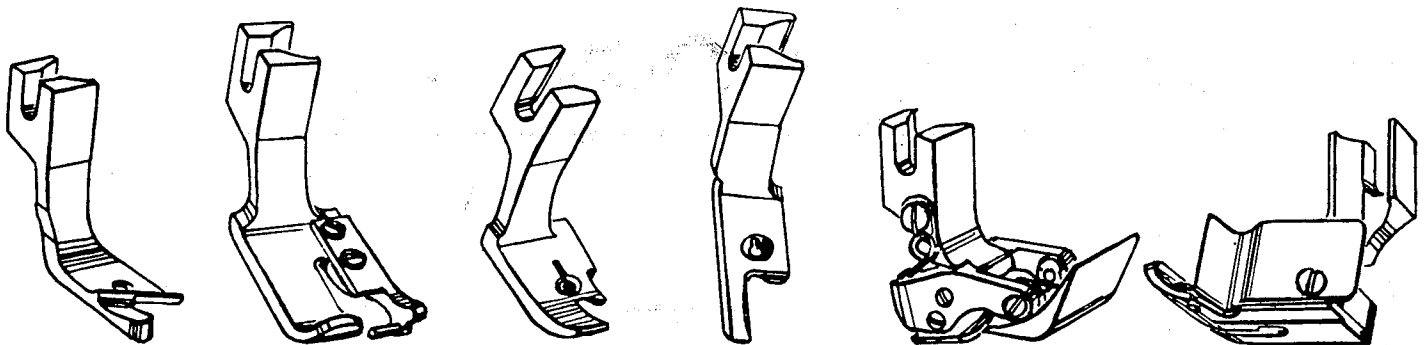
K51683 61420 P 61320 AC 61320 M 61420 R 61220 G 61320 P



61420 F 61320 X 61420 CL 61420 S 61220 AB 61220 R 61420 J



61220 V 61420 V 61420 U 61220 T 61420 BB L217 61320 K

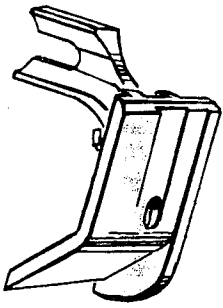


61420 BG L768 L205 L368 L556 405-571

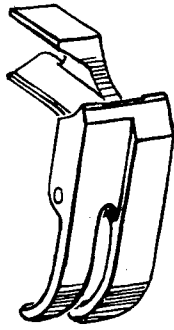
PRESSER FEET

| <u>Part No.</u> | <u>Description</u> |
|-----------------|---|
| L205 | For miscellaneous hemming, used with 3/16 inch hemmer; feed dog No. 61205 A, throat plate No. 61224 C-063 |
| L217 | For braiding sport shirts and similar garments, 7/64 inch braiding groove in center of needle; feed dog No. 61205 A, throat plate No. 61224 C-083 |
| L368 | For hemming handkerchiefs, feed dog No. L369, throat plate No. L391 |
| 405-571 | For miscellaneous seaming; feed dog No. 61305 C, throat plate No. 61324 C-093 (shank No. 61330 AC, spring No. 51930, chip guard screw No. 22798, hinge pin No. 61330 B-29) |
| L556 | For hemming heavy shirts and jackets, tractor type; feed dog No. 61305 A, throat plate No. 61324 A-093 (rear section No. 35730 C, yoke No. 35730 D, spring No. L314 A, yoke screw No. 22799 B, hinge screw No. 22801, spring screw No. 226) |
| L768 | For top stitching collars, guide 3/16 inch to right of needle; feed dog No. L223, throat plate No. L222 (screw for guide No. 22738) |
| K51683 | For attaching cuffs to shirts; feed dog No. 61305 A, throat plate No. 61324 A-093 |
| 61220 G | For hemming work shirts, used with plate hemmer; feed dog No. 61205 A, throat plate No. 61224 C-063 |
| 61220 R | For zipper tab operation; feed dog No. 61205 A, throat plate No. 61224 C-073 |
| 61220 T | For hemming towels; feed dog No. 61205 A, throat plate No. 61224 C-073 |
| 61220 V | For zipper tab operation; feed dog No. 61205 A, throat plate No. 61224 C-073 |
| 61220 AB | For edge stitching; feed dog No. 61205 A, throat plate No. 61224 C-063 |
| 61320 K | For shirring light weight house dresses; feed dog No. 61205 A, throat plate No. 61224 C-073 |
| 61320 M | For attaching zippers to light weight garments; feed dog No. 61205 A, throat plate No. 61224 C-063 |
| 61320 P | For miscellaneous seaming; feed dog No. 61305 D, throat plate No. 61324 D-073 |
| 61320 X | For top stitching waistbands to work pants; feed dog No. 61405 G, throat plate No. 61424 G-093 |
| 61320 AC | For attaching hook and eye strips to corsets; feed dog No. 61305 S, throat plate No. 61224 C-043 |
| 61420 F | For hemming work shirts, used with plate hemmer; feed dog No. 61205 A, throat plate No. 61224 C-063 |
| 61420 J | For top stitching waistbands to work pants; feed dog No. 61305 A, throat plate No. 61324 A |
| 61420 P | For tacking pants flies; feed dog No. 61205 C, throat plate No. 61224 C-063 |
| 61420 R | For sewing zipper tabs to pants flies; feed dog No. 61205 A, throat plate No. 61224 C-083 |
| 61420 S | For attaching sleeve facings to work shirts; foot extends 3/4 inch to right of needle; feed dog No. 61405 K, throat plate No. 61424 K-063 |
| 61420 U | For pants flies, one operation; folder No. L186, feed dog No. 61205 A, throat plate No. 61224 C-083 |
| 61420 V | For sewing zipper tabs to pants flies, 1/16 inch margin to left of needle; feed dog No. 61405 R, throat plate No. 61424 R-073 |
| 61420 BB | For miscellaneous seaming and hemming silk and rayon; feed dog No. 61205 C, throat plate No. 61224 C-043 |
| 61420 BG | For hemming bed sheets; feed dog No. 61205 C, throat plate No. 61224 C-063 |
| 61420 CL | For zipper tab operation; feed dog No. 61205 A, throat plate No. 61224 C-063 |

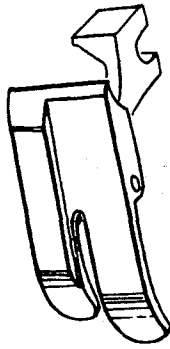
NOTE: See page 78 for sewing margins of presser feet.



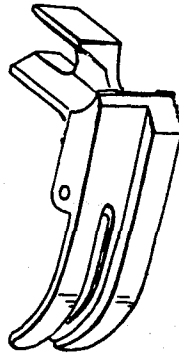
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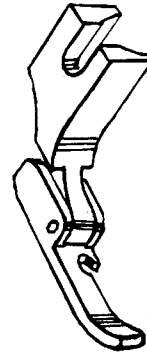
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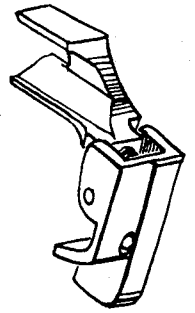
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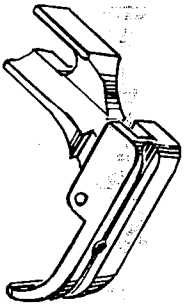
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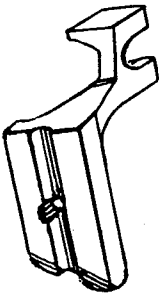
61320 AM



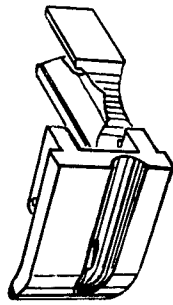
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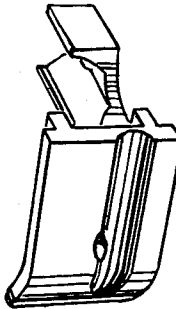
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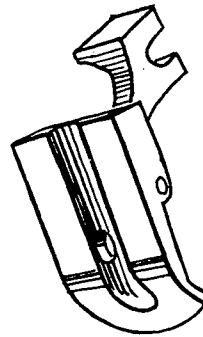
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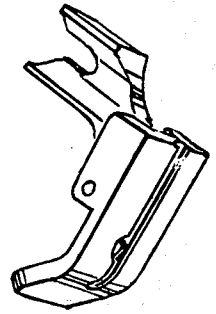
61420 M



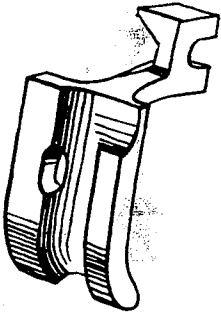
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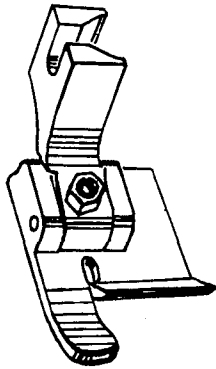
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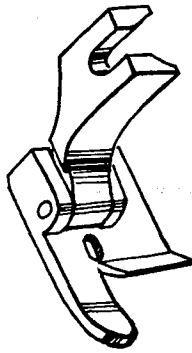
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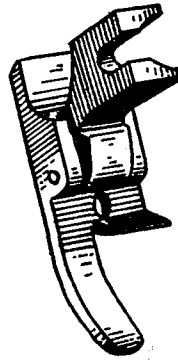
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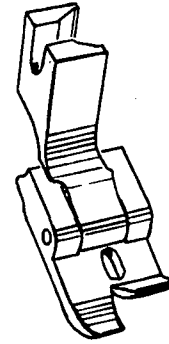
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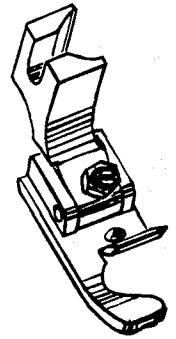
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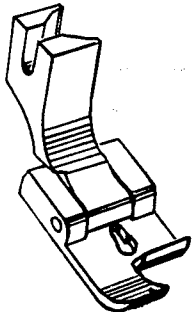
61320 C



61420 BN



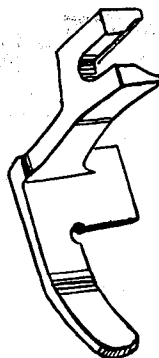
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L505



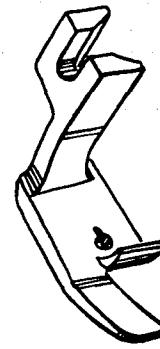
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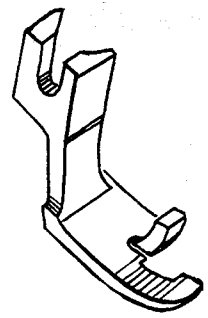
L290



61320



61420 BE

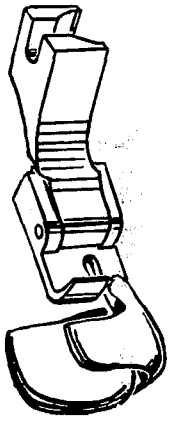


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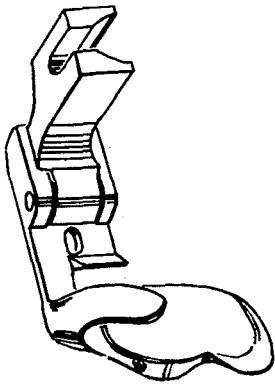
PRESSER FEET

| <u>Part No.</u> | <u>Description</u> |
|-----------------|---|
| L17 A | For piping pillow slips, foot has 1/16 inch groove to left of needle; feed dog No. 61405 J, throat plate No. 61424 J-063 (hinge pin No. 61330 B-29) |
| L193 | For edge stitching coats, right toe cut off at needle; feed dog No. 61305 B, throat plate No. 61324 B-073 |
| L220 | For cording couch covers, 3/16 inch cord groove 1/32 inch to left of needle; feed dog No. 61305 A, throat plate No. 61324 A-093 (shank No. 61330) |
| L290 | For edge stitching coats and similar garments; feed dog No. 61305 G, throat plate No. 61324 F-093 |
| L313 | For edge stitching, left side of bottom 1/16 inch lower, 1/16 inch to left of needle; feed dog No. 61305 A, throat plate No. 61324 A-093 (shank No. 61330, hinge pin No. 61330 B-35) |
| L380 | For cording and piping pajama coats; feed dog No. 61305 B, throat plate No. 61324 B-063 (shank No. 61330) |
| L505 | For miscellaneous hemming operations, guide on left of needle; feed dog No. 61305 C, throat plate No. 61324 C-093 (shank No. 61330, hinge pin No. 61330 B-39) |
| L566 | For sleeve facing, left edge guide 5/16 inch from center of needle; feed dog No. 61405 K, throat plate No. 61424 K-063 (shank No. 61330 AH, adjusting screw No. 22840 A, nut No. 51430 F, hinge pin No. 61330 B-35) |
| K51645 | For cording upholstery, 9/32 inch cord groove, 1/32 inch to left of needle; feed dog No. 61305 K, throat plate No. 61324 J-093 |
| 61220 H | For miscellaneous binding operations on melton jackets; feed dog No. 61305 H, throat plate No. 61224 D-073 |
| 61320 | For edge stitching on men's suits, coats; feed dog No. 61305 B, throat plate No. 61324 B-093 |
| 61320 C | For hemming high back overall suspenders; feed dog No. 61305 C, throat plate No. 61324 C-093 (shank No. 61330, bottom No. 61330 C, hinge pin No. 61330 B-39) |
| 61320 L | For hemming overall suspenders, guide 1/16 inch to left of needle; feed dog No. 61305 A, throat plate No. 61324 A-093 (shank No. 61330, bottom No. 61330 L, hinge pin No. 61330 B-35) |
| 61320 AM | For attaching collar bands to dress shirts; feed dog No. 61205 C, throat plate No. 61224 C-063 (shank No. 61330 AV, bottom No. 61330 AX, hinge pin No. 61330 B-29) |
| 61420 H | For attaching sleeve facings to shirts; feed dog No. 61405 K, throat plate No. 61424 K-063 (shank No. 61330 AH, adjusting screw No. 22840 A, nut No. 51430 F, hinge pin No. 61330 B-35) |
| 61420 M | For piping upholstery, furniture and automobile cushions, 5/32 inch piping; feed dog No. L438, throat plate No. L437 (hinge screw No. 22799 B) |
| 61420 N | For piping pajama fronts and collars, 3/32 inch prepared piping; feed dog No. 61205 A, throat plate No. 61224 C-063 |
| 61420 T | For binding; feed dog No. 61305 B, throat plate No. 61324 B-063 (shank No. 61330 AH, adjusting screw No. 22840 A, nut No. 51430 F, hinge pin No. 61330 B-35) |
| 61420 AE | For edge stitching overall suspenders, 1/16 inch margin to right of needle; feed dog No. 61305 C, throat plate No. 61324 C-093 (shank No. 61330, hinge pin No. 61330 B-39) |
| 61420 AU | For hemming pajama coats, 5/8 inch hem, 9/16 inch margin to right of needle; feed dog No. 61405 K, throat plate No. 61424 K (shank No. 61330, hinge pin No. 61330 B-35) |
| 61420 BC | For cording and upholstery, 3/16 inch cord groove to left of needle; feed dog No. L438, throat plate No. L437 (hinge screw No. 22799 B) |
| 61420 BD | For yoking shirts, guide extends 1/32 inch to left of needle; feed dog No. 61405 M, throat plate No. 61424 M-063 (shank No. 61330 AC, bottom No. 61430 S, hinge pin No. 61330 B-29) |
| 61420 BE | For miscellaneous binding on rayon and similar materials; feed dog No. 61405 L, throat plate No. 61424 L-063 |
| 61420 BN | For hemming work shirts, 1/16 inch margin to left of needle, use plate hemmer; feed dog No. 61205 CA, throat plate No. 61224 C-063 (shank No. 61330, hinge pin No. 61330 B-39) |

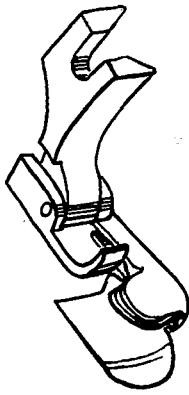
NOTE: See page 78 for sewing margins of presser feet.



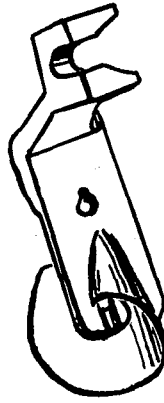
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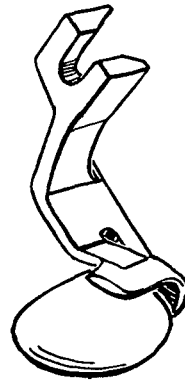
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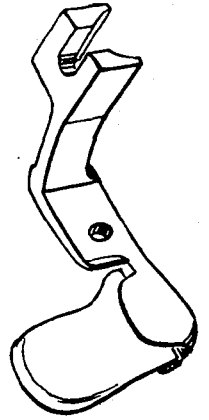
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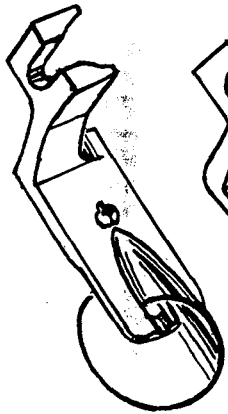
61420 X



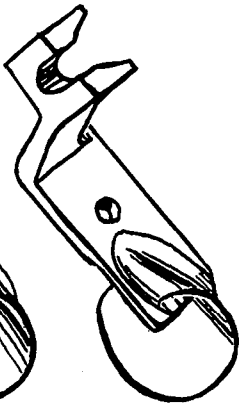
61420 W



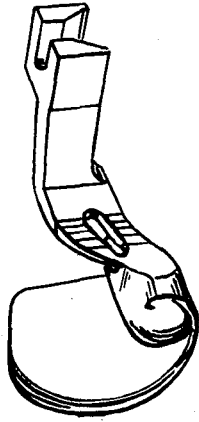
L139



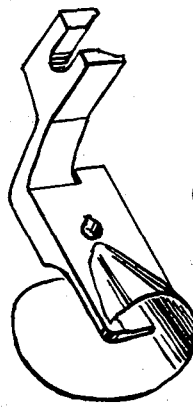
61220 M



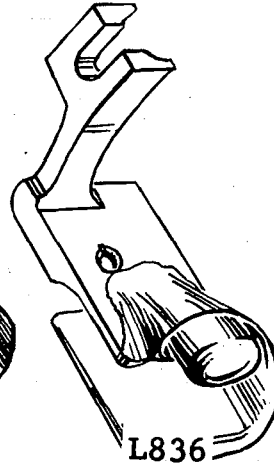
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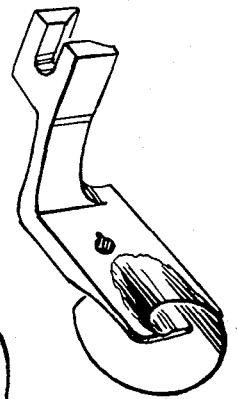
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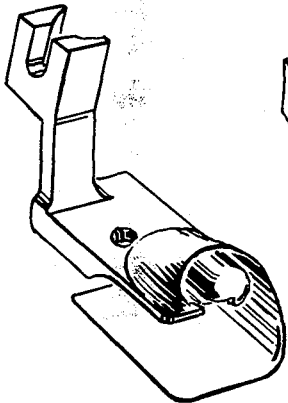
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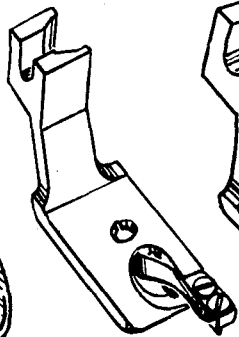
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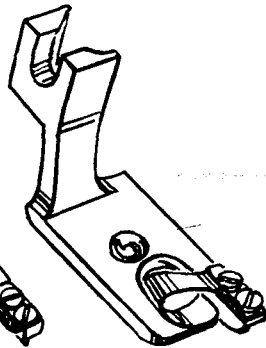
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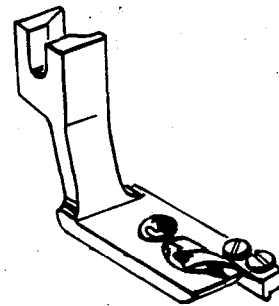
L582



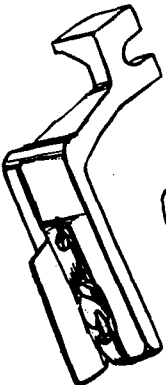
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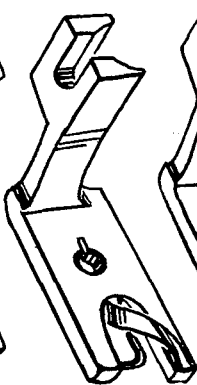
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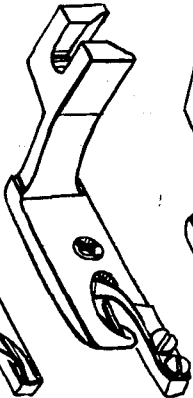
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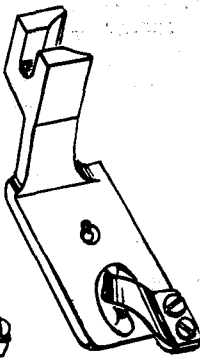
L30



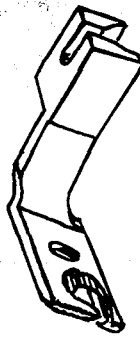
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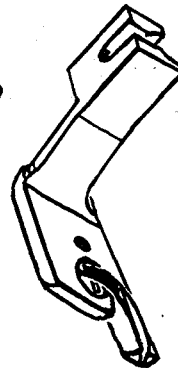
61220 AA



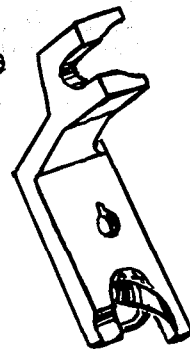
61420 AC



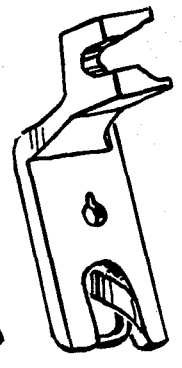
61220 B



61220 C



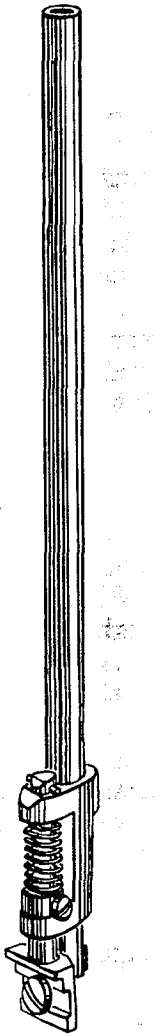
61220 D



61220 L

PRESSER FEET

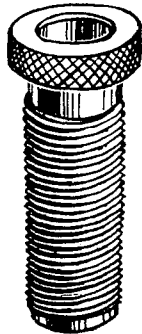
| <u>Part No.</u> | <u>Description</u> |
|-----------------|---|
| L30 | For hemming, 1/8 inch hem, has guide to fit in throat plate; feed dog No. L29, throat plate No. L28 (scroll No. L774) |
| L139 | For miscellaneous hemming, material enters from left, 3/16 inch turned down hem; feed dog No. 61205 C, throat plate No. 61224 C-063 |
| L292 | For hemming shirts, 3/16 inch hem; feed dog No. 61405 Z, throat plate No. 61224 B-063 (scroll pin No. 61230 C, screw No. 22738) |
| L408 | For attaching yokes, 5/16 inch turned down fold; feed dog No. 61205 A, throat plate No. 61224 C-063 (shank No. 61330, hinge pin No. 61330 B-29) |
| L473 | For miscellaneous hemming, 5/32 inch turned up hem; feed dog No. 61205 A, throat plate No. 61224 C-063 |
| L529 | For attaching yokes, 3/16 inch turned down fold; feed dog No. 61205 A, throat plate No. 61224 C-063 (hinge pin No. 61330 B-35) |
| L582 | For hemming dresses, material enters from left, 3/8 inch turned up hem; feed dog No. 61205 C, throat plate No. 61224 C-063 |
| L727 | For hemming shirts, 3/32 inch hem; feed dog No. 61405 Z, throat plate No. 61224 B-063 (scroll No. 61230 A-1/8, scroll pin No. 61230 C, screw No. 22738) |
| L748 | For hemming dresses, material enters from left, 1/4 inch turned up hem; feed dog No. 61205 A, throat plate No. 61224 C-063 |
| L756 | For hemming shirts, 7/32 inch hem; feed dog No. 61205 C, throat plate No. 61224 C-063 (scroll No. 61230-5/32) |
| L775 | For miscellaneous hemming, material enters from left, 1/4 inch turned up hem; feed dog No. 61205 D, throat plate No. 61224 F-063 |
| L836 | For hemming dresses, material enters from left, 1/2 inch turned up hem; feed dog No. 61205 A, throat plate No. 61224 C-063 |
| L868 | For hemming shirts, 1/4 inch hem; feed dog No. 61205 C, throat plate No. 61224 C-063 (scroll No. L158 A, scroll pin No. 61230 C, screw No. 22738) |
| 61220 B-1/8 | For hemming shirts, 1/8 inch hem; feed dog No. 61205 B, throat plate No. 61224 B-063 (scroll No. 61230 B-1/8, pin No. 61230 C) |
| 61220 B-5/32 | For hemming shirts, 5/32 inch hem; feed dog No. 61205 B, throat plate No. 61224 B-063 (scroll No. 61230 B-1/8, pin No. 61230 C) |
| 61220 C-1/8 | For hemming shirts, 1/8 inch hem; feed dog No. 61205 C, throat plate No. 61224 C-063 (scroll No. 61230-5/32) |
| 61220 C-5/32 | For hemming shirts, 5/32 inch hem; feed dog No. 61205 C, throat plate No. 61224 C-063 (scroll No. 61230-5/32) |
| 61220 C-3/16 | For hemming shirts, 3/16 inch hem; feed dog No. 61205 C, throat plate No. 61224 C-063 (scroll No. 61230-5/32) |
| 61220 C-1/4 | For hemming shirts, 1/4 inch hem; feed dog No. 61205 A, throat plate No. 61224 C-063 (scroll No. 61230-5/32) |
| 61220 D-1/8 | For hemming shirts, 1/8 inch hem; feed dog No. 61405 Z, throat plate No. 61224 B-063 (scroll No. 61230-5/32, scroll pin No. 61230 J) |
| 61220 L-5/32 | For hemming shirts, 5/32 inch hem; feed dog No. 61205 B, throat plate No. 61224 B-063 (scroll No. 61230-5/32, scroll pin No. 61230 J) |
| 61220 M-1/8 | For hemming dresses, 1/8 inch hem; feed dog No. 61205 C, throat plate No. 61224 C-063 |
| 61220 AA-1/8 | For hemming shirts, 1/8 inch hem; feed dog No. 61205 A, throat plate No. 61224 C-063 (scroll 61230 A-1/8, screw No. 22716 C) |
| 61420 W | For setting yokes and turning down hems on dresses, shirts, and similar garments, 1/32 inch margin to right of needle; feed dog No. 61205 A, throat plate No. 61224 C-063 |
| 61420 X | For miscellaneous hemming, turned up hem, light weight materials; feed dog No. 61405 Y, throat plate No. 61424 Y-063 |
| 61420 Y | For hemming dresses, light weight materials, 1/16 inch turned up hem; feed dog No. 61205 C, throat No. 61224 C-063 |
| 61420 Z | For setting yokes on dress shirts and pajamas, 1/4 inch turned down fold; feed dog No. 61205 C, throat plate No. 61224 C-063 (shank No. 61330 AC, hinge pin No. 61330 B-29) |
| 61420 AC | For hemming work shirts, 3/16 inch hem; feed dog No. 61205 C, throat plate No. 61224 C-063 (scroll No. 61430 P, screw No. 22738) |



29480 CY Complete



63457 B



61257 G



88



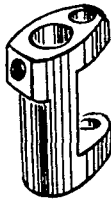
91 A



22585 C



660-219 D



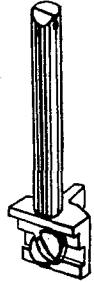
63457 F



63457 G



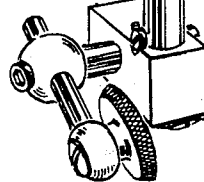
63457 E



63457 D



63457 C



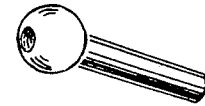
K67092 Complete



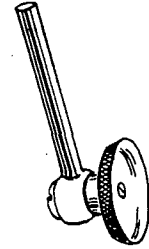
22818



22743



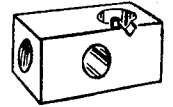
52130 F



52130 D



K67096



K67093



39198 D



22765



22845 B



22894 C



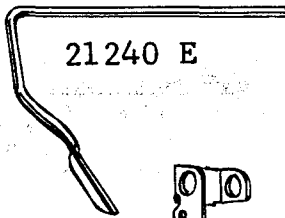
22894 F



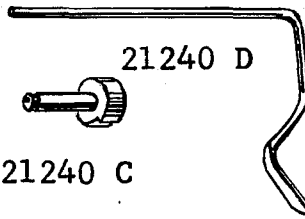
63430 D



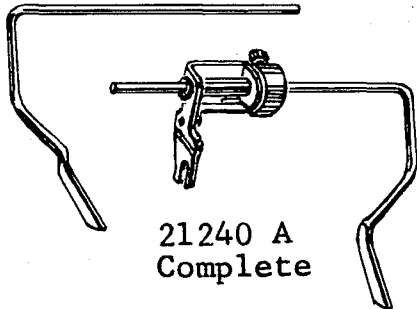
63430 C



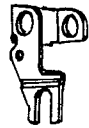
21240 E



21240 D



21240 A Complete



21240 B

21240 C



660-215



21240 F



T-26

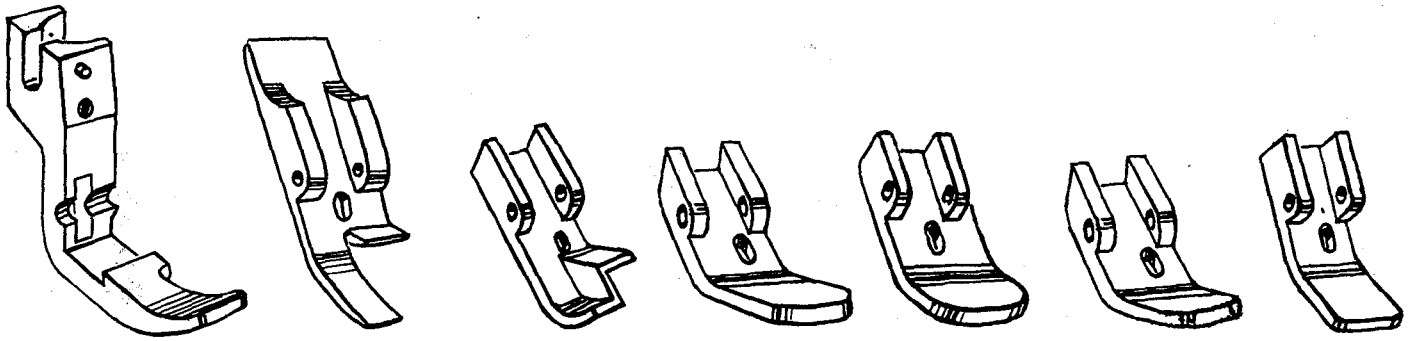


91

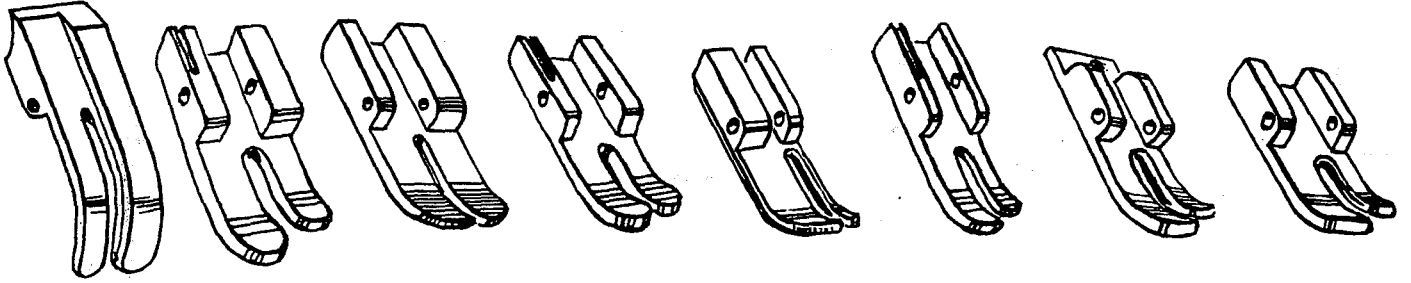
COMPOUND PRESSER BAR ASSEMBLY, ROLLER PRESSER FOOT
ASSEMBLY, QUILTING GUIDE AND COMPONENTS

| <u>Part No.</u> | <u>Description</u> |
|-----------------|--|
| T26 | Screw, for spring No. 21240 F |
| 88 | Screw, for presser bar and plunger holder No. 63457 F |
| 91 | Screw, for bushing No. 21240 C |
| 91 A | Screw, for plunger collar No. 63457 E |
| 660-215 | Retaining Ring, for No. 21240 C |
| 660-219 D | Roll Pin, for No. 29480 CY |
| 21240 A | Quilting Guide, complete, with right or left guide (screw Nos. T26 and 91, retaining ring No. 660-215, bracket No. 21240 B, bushing No. 21240 C, right guide No. 21240 D, left guide No. 21240 E, spring No. 21240 F) |
| 21240 B | Bracket, for quilting guide No. 21240 A |
| 21240 C | Bushing, for quilting guide No. 21240 A |
| 21240 D | Guide, right, for quilting guide No. 21240 A |
| 21240 E | Guide, left, for quilting guide No. 21240 A |
| 21240 F | Spring, for quilting guide No. 21240 A |
| 22585 C | Screw, for attaching presser foot bottom on assembly No. 29480 CY |
| 22743 | Screw, for roller assembly No. 52130 D |
| 22765 | Screw, for presser bar No. K67096 |
| 22818 | Screw, for roller assembly No. 52130 D |
| 22845 B | Screw, for presser bar No. K67096 |
| 22894 C | Screw, for roller presser foot arm No. 52130 F |
| 22894 F | Screw, for roller presser foot swing-out collar No. K67093 |
| 29480 CY | Compound Presser Bar Assembly (roll pin No. 660-219 D, presser bar No. 63457 B, presser guide plunger No. 63457 D, plunger collar No. 63457 E, presser bar and plunger holder No. 63457 F, spring No. 63457 G) |
| 39198 D | Spring Washer, for screw No. 22765 |
| 52130 D | Roller Assembly, for roller presser foot assembly No. K67092 |
| 52130 F | Roller Presser Foot Arm, for assembly No. K67092 |
| 61257 G | Presser Spring Regulator, for use with assembly No. 29480 CY |
| 63430 C | Presser Foot Bottom, 3/8 inch wide, for use with assembly No. 29480 CY; for top stitching collars (feed dog No. 61405 J, throat plate No. 61424 J-063) |
| 63430 D | Presser Foot Bottom, 9/16 inch wide, similar to No. L452 except 1/4 inch longer in rear, for use with assembly No. 29480 CY; for run stitching collars (feed dog No. 61405 AH, throat plate No. 61424 AH-063) |
| 63457 B | Presser Bar, for assembly No. 29480 CY |
| 63457 C | Presser Bar Bushing, lower, for use with assembly No. 29480 CY |
| 63457 D | Presser Guide Plunger, for assembly No. 29480 CY |
| 63457 E | Plunger Collar, for assembly No. 29480 CY |
| 63457 F | Presser Bar and Plunger Holder, for assembly No. 29480 CY |
| 63457 G | Spring, for assembly No. 29480 CY |
| K67092 | Roller Presser Foot Assembly (screw Nos. 22765, 22845 B, 22894 C, 22894 F, spring washer No. 39198 D, roller assembly No. 52130 D, roller presser foot arm No. 52130 F, roller presser foot swing-out collar No. K67093, roller presser foot presser bar No. K67096) |
| K67093 | Roller Presser Foot Swing-out Collar, for assembly No. K67092 |
| K67096 | Roller Presser Foot Presser Bar, for assembly No. K67092 |

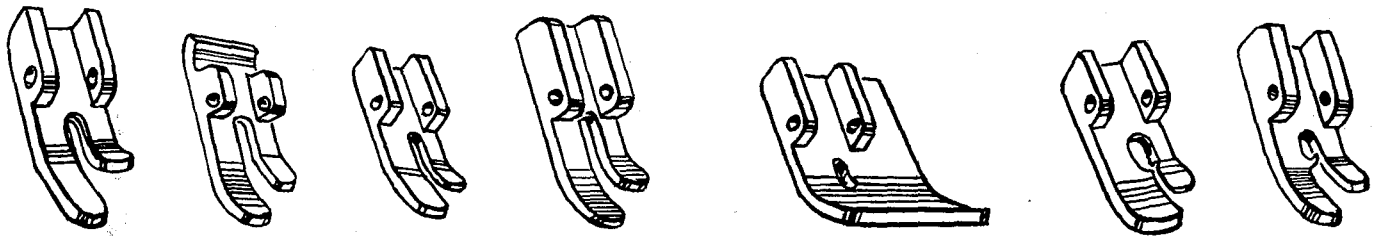
NOTE: Use No. 61257 G presser spring regulator, No. 63457 C lower presser bar bushing and No. 63457 H presser bar, when mounting a quilting guide. PL480 shows installation.



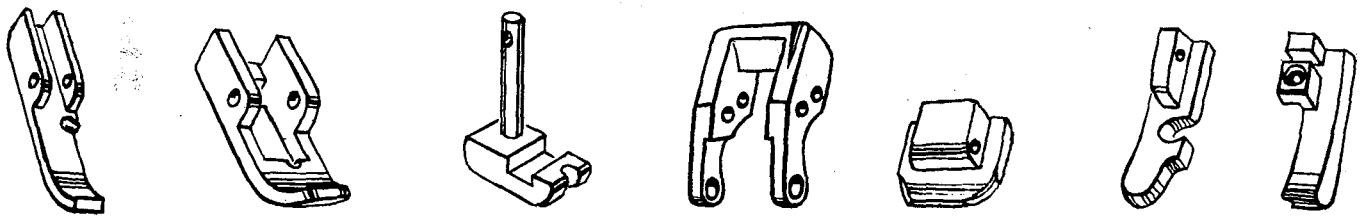
61330 M 61330 C 61430 S 61330 Y 61330 AE 61430 Y 61430 T



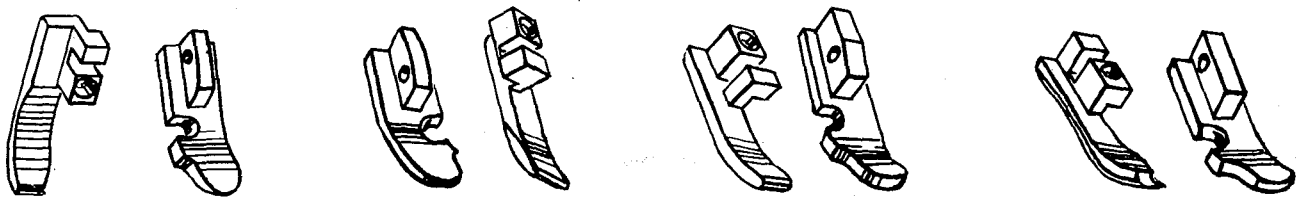
61330 L 61430 AB 61430 AC 61330 T 61330 AW 61430 AS 61430 C 61330 AG



61330 Z 61330 AB 61330 AU 61330 R 61330 AD 61330 AF 61230 F



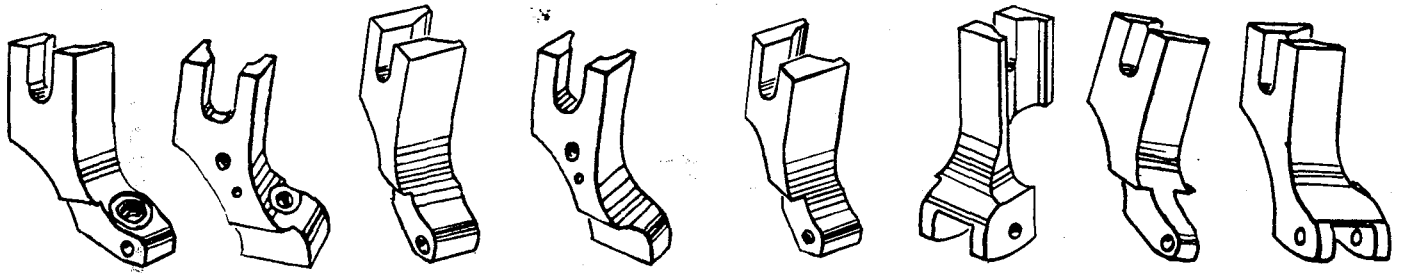
61330 AX 61330 W 61330 V 35730 D 35730 C 61230 L 61230 M



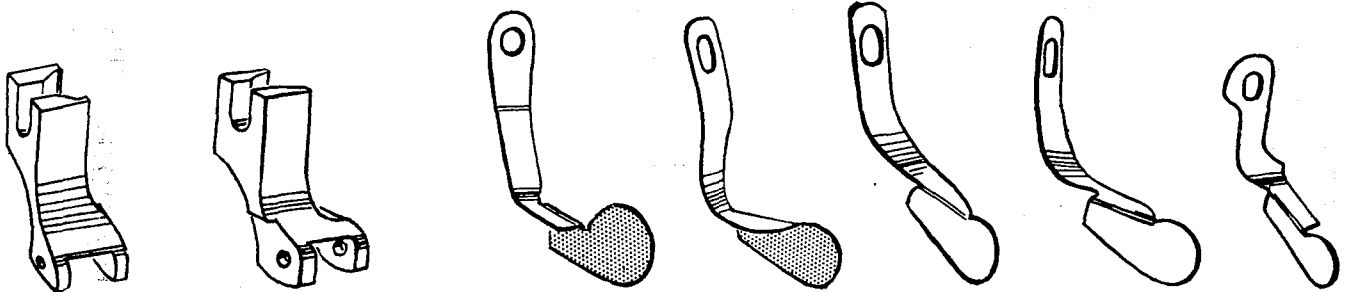
61230 W 61230 V 61330 AJ 61330 AL 61330 AN 61330 AM 61330 AS 61330 AR

PRESSER FEET BOTTOMS AND YIELDING SECTIONS

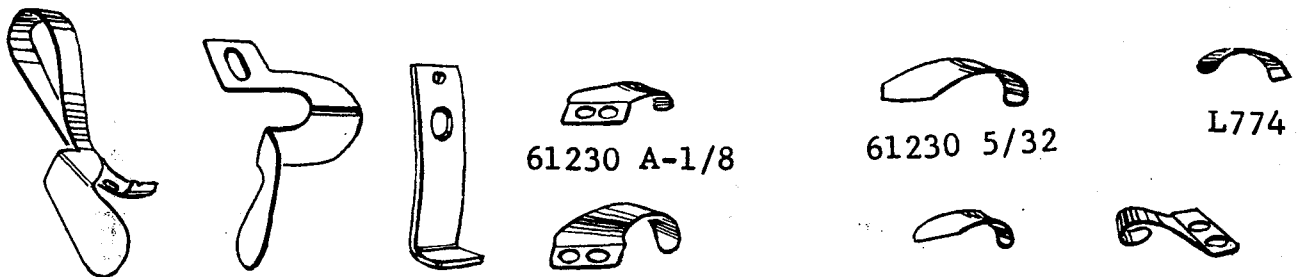
| <u>Part No.</u> | <u>Description</u> |
|-----------------|---|
| 35730 C | Rear Section, for presser foot No. L556 |
| 35730 D | Yoke, for presser foot No. L556 |
| 61230 F | Bottom, for presser foot No. L218 |
| 61230 L | Bottom, for presser foot No. 61220 S |
| 61230 M | Yielding Section, for presser foot No. 61220 S |
| 61230 V | Bottom, for presser foot No. 61220 W |
| 61230 W | Yielding Section, for presser foot No. 61220 W |
| 61330 C | Bottom, for presser foot No. 61320 C |
| 61330 L | Bottom, for presser foot No. 61320 L |
| 61330 M | Main Section, for presser foot No. 61320 N |
| 61330 R | Bottom, for presser foot No. 61320 Q |
| 61330 T | Bottom, for presser foot No. 61320 S |
| 61330 V | Bottom Yielding Section, for presser foot No. L158 |
| 61330 W | Bottom, for presser foot No. L158 |
| 61330 Y | Bottom, for presser feet Nos. L293, 61220 |
| 61330 Z | Bottom, for presser feet Nos. L82 A, L326, 61220 J |
| 61330 AB | Bottom, for presser foot No. 61320 AA |
| 61330 AD | Bottom, for presser foot No. 61220 K |
| 61330 AE | Bottom, for presser foot No. 61220 Q |
| 61330 AF | Bottom, for presser foot No. 61320 R |
| 61330 AG | Bottom, for presser foot No. 61220 P |
| 61330 AJ | Bottom, for presser foot No. 61320 AG |
| 61330 AL | Yielding Section, for presser foot No. 61320 AG |
| 61330 AM | Bottom, for presser foot No. 61320 AH |
| 61330 AN | Yielding Section, for presser foot No. 61320 AH |
| 61330 AR | Bottom, for presser feet Nos. L498 A, 61320 AJ |
| 61330 AS | Yielding Section, left, for presser foot No. 61320 AJ |
| 61330 AU | Bottom, for presser foot No. 61320 AD |
| 61330 AW | Bottom, for presser foot No. 61320 AL |
| 61330 AX | Bottom, for presser foot No. 61320 AM |
| 61430 C | Bottom, for presser foot No. 61420 C |
| 61430 S | Bottom, for presser foot No. 61420 BD |
| 61430 T | Bottom, for presser foot No. 61420 BR |
| 61430 Y | Bottom, for presser foot No. 61420 BT |
| 61430 AB | Bottom, for presser foot No. 61420 BU |
| 61430 AC | Bottom, for presser foot No. 61420 BV |
| 61430 AS | Bottom, for presser foot No. 61420 BY |



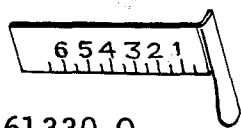
61330 AH 61430 AA 61330 61430 AT 61330 AC 61230 X 61330 AV 61330 AK



61230 S 61330 AP 61430 N L683 61330 F 61330 E 61230 U



L122 A 61430 M 61330 N 61430 P 61230 A-1/8 61230 5/32 L774 61230 B-1/8 L158 A



61330 Q



1741 B



12957 E



20



1741 A



61330 B



21657 E



61303 D



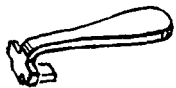
51430 F



61230 C



61230 J



61330 P



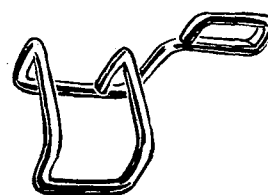
61430 A



61430 B



T29



61231 A



61430 BB



1230 B



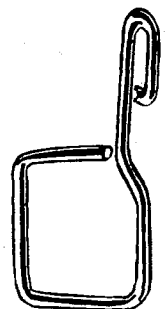
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61230 AK



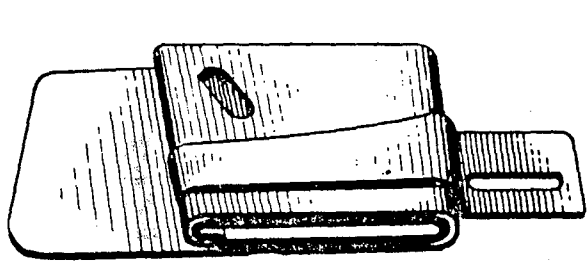
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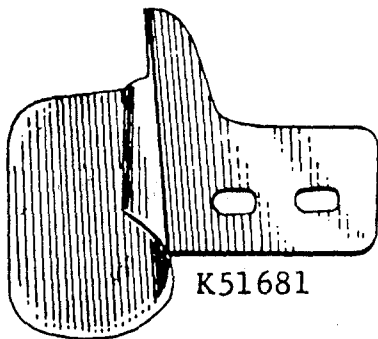
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PRESSER FEET SHANKS, SPRINGS, SCROLLS AND GUIDES

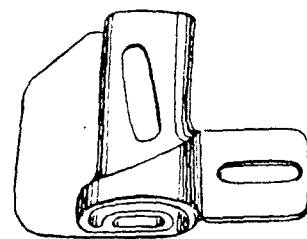
| <u>Part No.</u> | <u>Description</u> |
|-----------------|--|
| 20 | Washer, for hemmer swing-out bracket Nos. K51606, K51623 |
| T29 | Thumb Nut, for edge guide assembly No. L367 |
| L122 A | Spring Guide, for presser foot No. L653 |
| L158 A | Scroll, for presser foot No. L868 |
| L314 A | Spring, for tilting bottom on presser foot No. L556 |
| L683 | Spring Guide, for presser feet Nos. L336, L415, L637 |
| L774 | Hemmer Scroll, for presser foot No. L30 |
| 1230 B | Spring, for presser foot No. L158 |
| 1741 A | Pin, for knife on presser foot No. L218 |
| 1741 B | Chain Cutting Knife, for presser foot No. L218 (screw No. 187 A) |
| 12957 E | Spring Washer, for plate hemmer Nos. L32, L367, L390, L394, L524, K51606, K51623 |
| 21657 E | Washer, for pivot screw on edge guide No. L367 |
| 51430 F | Hinge Adjusting Screw Nut, for presser feet Nos. L82 A, L293, L566, L943, 61420 H, 61420 T, 61420 AS, 61420 BR, 61420 BT, 61420 BU, 61420 BV, 61420 CM |
| 51930 | Spring, for tilting bottom of presser feet Nos. L39 A, L412, L498 A, L653, L875, 61220 K, 61220 P, 61220 Q, 61220 S, 61220 W, 61320 AA, 61320 AG, 61320 AH, 61320 AJ, 61420 C, 61420 AN, 61420 AV |
| 61230-5/32 | Hemmer Scroll, for presser feet Nos. L175, L756, 61220 C-1/8, 5/32, 3/16, 1/4, 61220 D-1/8, 61220 L-5/32 |
| 61230 A-1/8 | Hemmer Scroll, for presser feet Nos. L727, 61220 AA-1/8 |
| 61230 B-1/8 | Hemmer Scroll, for presser feet Nos. 61220 B-1/8, 5/32 |
| 61230 C | Scroll Pin, for presser feet Nos. L292, L727, L868, 61220 B-1/8, 5/32, 61220 AA-1/8 |
| 61230 J | Scroll Pin, for presser feet Nos. L175, 61220 D-1/8, 61220 L-5/32 |
| 61230 S | Shank, for presser foot No. 61220 S |
| 61230 U | Spring Guide, for presser feet Nos. 61220 AC, 61320 U |
| 61230 X | Shank, for presser feet Nos. L498 A, 61220 W, 61320 AJ |
| 61230 AK | Spring, for tilting bottom of presser feet Nos. L326, 61220 K, 61320 AD |
| 61231 | Finger Guard, attaches to presser foot |
| 61231 A | Finger Guard, attaches to presser foot |
| 61303 D | Washer, for adjustable edge guide No. 61303, also for hemmer No. L378 and swing-out bracket No. 23278 K |
| 61330 | Shank, for presser feet Nos. L64, L72, L95, L218, L220, L313, L380, L408, L505, 61220, 61220 J, 61220 P, 61320 C, 61320 L, 61320 Q, 61320 S, 61420 C, 61420 AD, 61420 AE, 61420 AP, 61420 AU, 61420 AW, 61420 AY, 61420 BJ, 61420 BN |
| 61330 B-29 | Hinge Pin, 29/64 inch long |
| 61330 B-31 | Hinge Pin, 31/64 inch long |
| 61330 B-35 | Hinge Pin, 35/64 inch long |
| 61330 B-39 | Hinge Pin, 39/64 inch long |
| 61330 E | Spring Guide, for presser feet Nos. 61320 E, 61320 V |
| 61330 F | Spring Guide, for presser feet Nos. 61320 F, 61320 AE |
| 61330 N | Spring, for adjustable guide on presser feet Nos. L769, 61320 N |
| 61330 P | Spring Release Lever, for presser feet Nos. L769, 61320 N |
| 61330 Q | Adjustable Guide, for presser foot No. 61320 N |
| 61330 AC | Shank, for presser feet Nos. L195, L266, L326, L412, L525, L875, K51687, 61220 K, 61220 Q, 61320 R, 61320 AA, 61320 AD, 61420 Z, 61420 BD |
| 61330 AH | Shank, for presser feet Nos. L82 A, L293, L566, L943, 61420 H, 61420 T, 61420 AS, 61420 BR, 61420 BT, 61420 CM |
| 61330 AK | Shank, for presser foot No. 61320 AG |
| 61330 AP | Shank, for presser foot No. 61320 AH |
| 61330 AV | Shank, for presser feet Nos. 61320 AL, 61320 AM, 61420 AZ, 61420 BK |
| 61430 A | Knife, chain cutter for presser foot No. 61420 C |
| 61430 B | Knife Guard, for presser foot No. 61420 C |
| 61430 M | Spring Guide, for presser foot No. 61420 K |
| 61430 N | Spring Guide, for presser foot No. 61420 L |
| 61430 P | Scroll, for presser foot No. 61420 AC |
| 61430 AA | Shank, for presser feet Nos. 61420 BU, 61420 BV |
| 61430 AT | Shank, for presser foot No. 61420 BY |
| 61430 BB | Spring, for tilting bottom of presser feet Nos. 61420 BU, 61420 BV, 61420 BY |



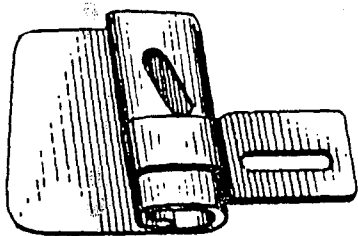
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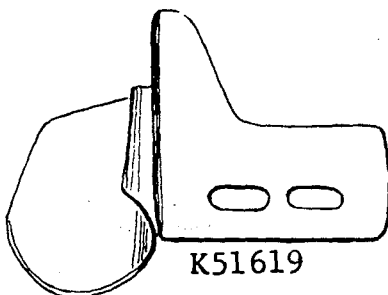
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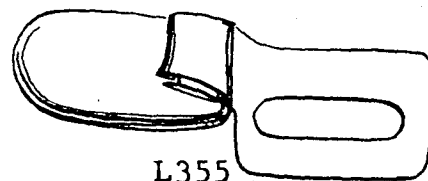
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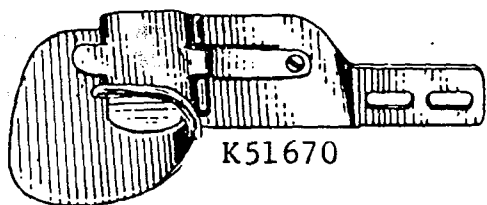
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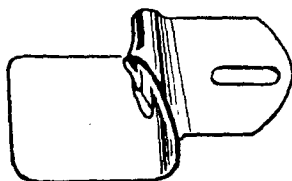
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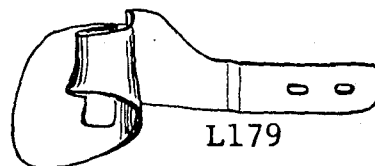
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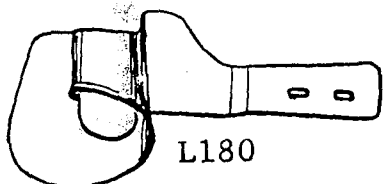
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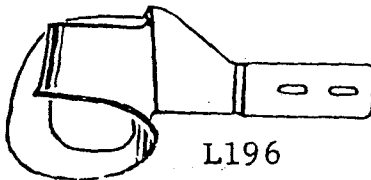
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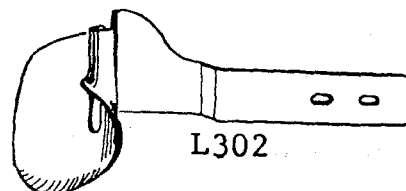
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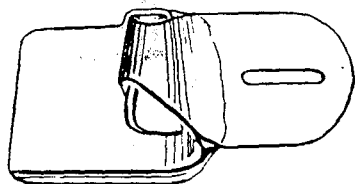
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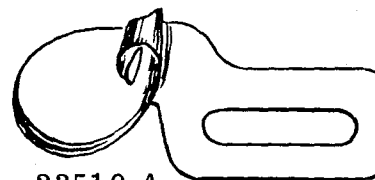
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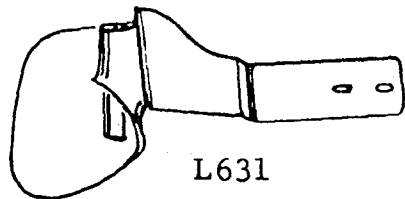
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23510



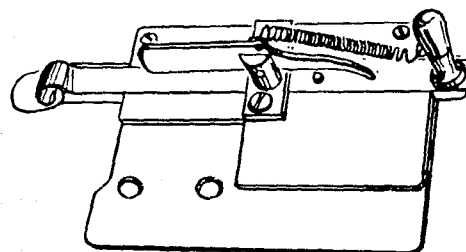
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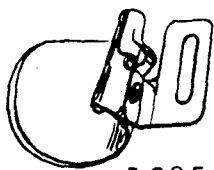
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L378



L96



L385



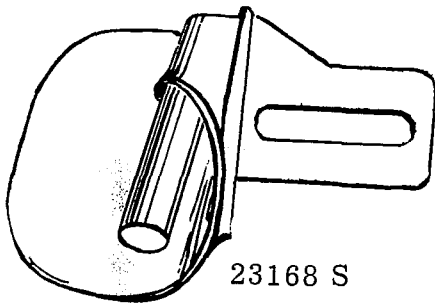
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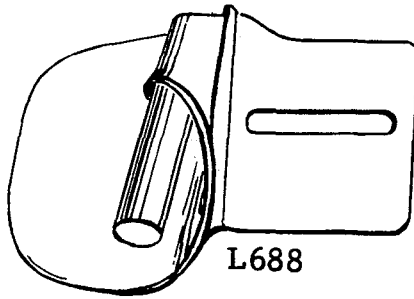
L394

HEMMERS

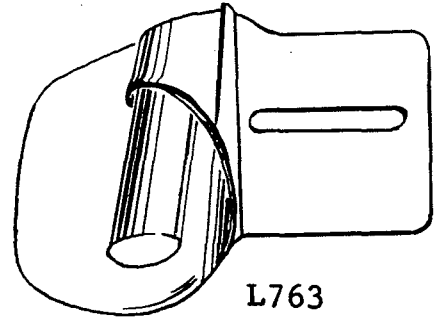
| <u>Part No.</u> | <u>Description</u> |
|-----------------|---|
| L96 | Hemming shirt tails, has retractable scroll, for 3/16 inch hem; feed dog No. 61205 CA, throat plate No. 61224 C-063, presser foot No. 61420 BN (attaching screw No. 25 C, locking lever screw No. 22585, gib screw No. 90) |
| L179 | Hemming upholstery, 1/16 inch capacity, hem turned up, with underlap of 7/16 inch, finishes 1 inch, attached to swing-out bracket No. K51623; feed dog No. 61205 A, throat plate No. 61224 C-073, presser foot No. 61220 K (screw No. 22570) |
| L180 | Hemming drapery material, 3/32 inch capacity, hem turned up, finishes 1 1/2 inches, attached to swing-out bracket No. K51623; feed dog No. 61205 A, throat plate No. 61224 C-073, presser foot No. 61220 K (screw No. 22570) |
| L196 | Hemming drapery material, attached to swing-out bracket No. K51623, hem turned up, finishes 2 inches, 7/16 inch underlap; feed dog No. 61205 A, throat plate No. 61224 C-063, presser foot No. 61420 H (screw No. 22570) |
| L302 | Hemming drapery material, hem turned up with 5/16 inch underlap, finishes 1/2 inch, attached to swing-out bracket No. K51623; feed dog No. 61205 A, throat plate No. 61224 C-073, presser foot No. 61220 T (screw No. 22570) |
| L327 | Hemming button facings on work shirts, 1/8 inch capacity, 1/2 inch finish, attached to swing-out bracket No. 23278 K, feed dog No. 61305 A, throat plate No. 61324 A-093, presser foot No. 61320 AH (screw No. 22585 A) |
| L355 | Hemming chambray work shirts, finishes 11/16 inch; feed dog No. 61205 A, throat plate No. 61224 C-063, presser foot No. 61420 BN (screw No. 25 C) |
| 23510 A | Miscellaneous hemming operation on light weight material, capacity 1/16 inch, finishes 3/8 inch; feed dog No. 61205 C, throat plate No. 61224 C-063, presser foot No. 61320 AJ (screw No. 25 C) |
| L378 | Hemming shirts, 5/64 inch capacity, finishes 5/16 inch, swing-out type; feed dog No. 61205 A, throat plate No. 61224 C-063, presser foot No. 61420 BN, (attaching screw No. 90, hemmer No. L385, hemmer attaching screw No. 90, thumb screw No. 22551, swinging bracket No. 61303 B, pivot screw No. 134, washer No. 61303 D) |
| L385 | Hemming shirts, 5/64 inch capacity, finishes 5/16 inch; similar to No. L378 (screw No. 90) |
| L394 | Hemming high back overalls, 1/8 inch capacity, finishes 3/8 inch, swing-out type; feed dog No. 61305 A, throat plate No. 61324 A-093, presser foot No. 61320 L (attaching screw No. 25 C, pivot screw No. 22726, washer No. 12957 E) |
| L516 | Hemming rayon and cotton materials, capacity 1/16 inch, finishes 1/4 inch, attached to swing-out bracket No. K51623; feed dog No. 61205 C, throat plate No. 61224 C-063, presser foot No. 61420 BR (screw No. 22570) |
| L564 | Hemming button stays, medium weight sport shirts, 5/64 inch capacity, finishes 5/8 inch hem, attached to swing-out bracket No. 23278 K; feed dog No. 61205 A, throat plate No. 61224 C-063, presser foot No. 61320 AJ (screw No. 22585 A) |
| L631 | Hemming draperies, 1/4 inch underlap, attached to swing-out bracket No. K51623, finishes 3/4 inch; feed dog No. 61205 A, throat plate No. 61224 C-073, presser foot No. 61220 Q (screw No. 22570) |
| 23510 | Hemming button stays on work shirts, 5/64 inch capacity, finishes 1/4 inch, attached to swing-out bracket No. 23278 K; feed dog No. 61205 A, throat plate No. 61224 C-063, presser foot No. 61320 AH (screw No. 22585 A) |
| K51619 | Hemming towels, 1/16 inch capacity, finishes 1/4 inch; feed dog No. 61205 A, throat plate No. 61224 C-063, presser foot No. 61420 BN (screw No. 25 C) |
| K51621 | Hemming bed sheets, 1/16 inch capacity, finishes 1 inch, attached to swing-out bracket No. K51659; feed dog No. 61205 A, throat plate No. 61224 C-063, presser foot No. 61420 BG (screw No. 22711) |
| K51670 | Hemming house dresses, 5/64 inch capacity, finishes 1 1/2 inches, attached to swing-out bracket No. K51623; feed dog No. 61205 A, throat plate No. 61224 C-063, presser foot No. 61220 K (screw No. 22570, spring No. L691) |
| K51681 | Hemming towels, 5/64 inch capacity, finishes 3/32 inch; feed dog No. 61205 A, throat plate No. 61224 C-063, presser foot No. 61420 BN (screw No. 25 C) |
| K51688 | Hemming bed sheets, with 3/8 inch underlap, finishes 1 inch, 1/16 inch capacity, attached to swing-out bracket No. K51659; feed dog No. 61205 A, throat plate No. 61224 C-063, presser foot No. 61420 BG (screw No. 22711) |
| K51689 | Hemming bed sheets, with 3/8 inch underlap, 1/16 inch capacity, finishes 3 inches, attached to swing-out bracket No. K51659; feed dog No. 61205 A, throat plate No. 61224 C-063, presser foot No. 61420 BG (screw No. 22711) |



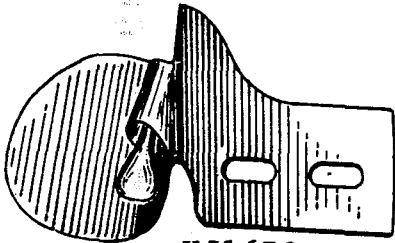
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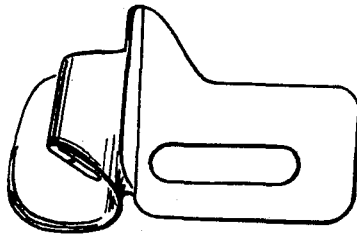
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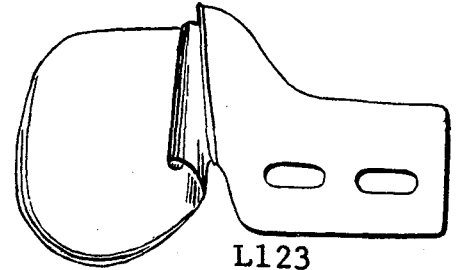
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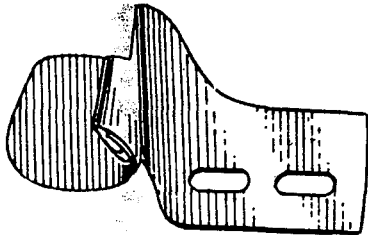
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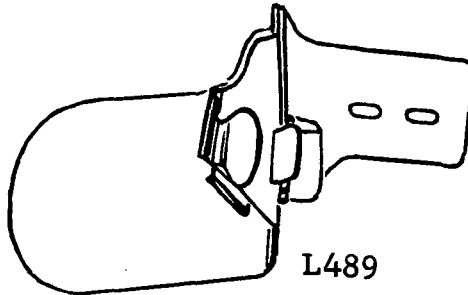
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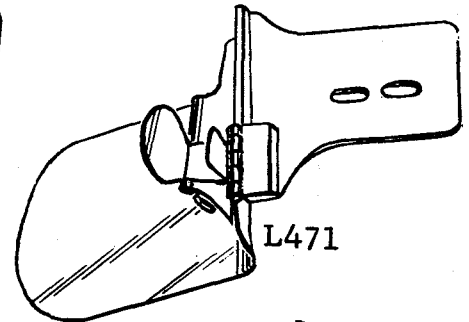
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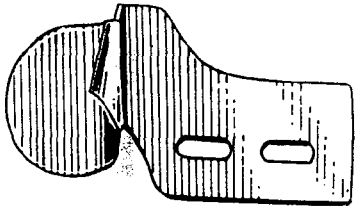
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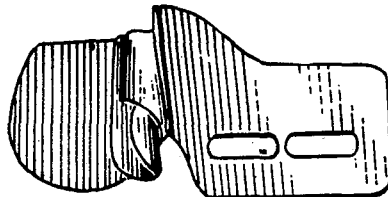
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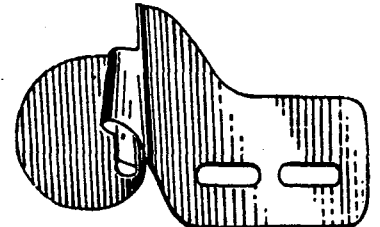
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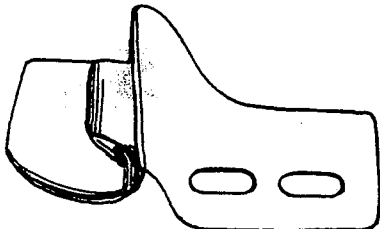
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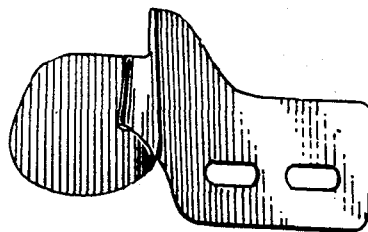
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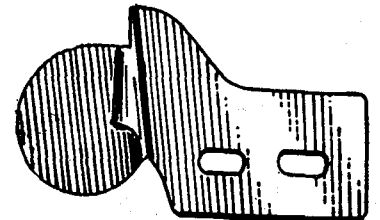
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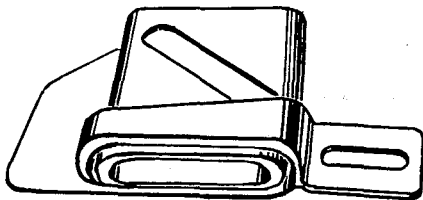
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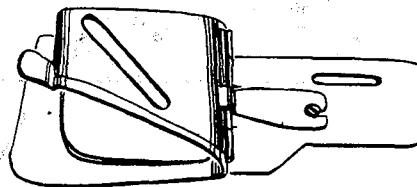
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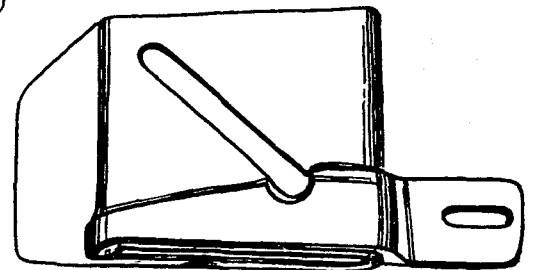
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L122



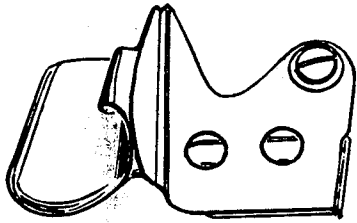
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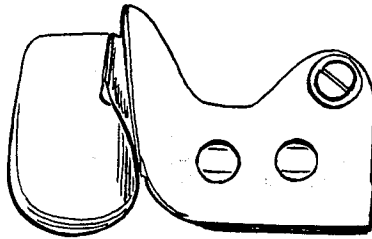
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HEMMERS

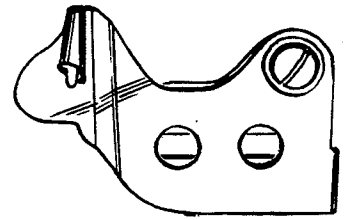
| <u>Part No.</u> | <u>Description</u> |
|-----------------|--|
| L3 | Hemming overall suspender straps, 1/16 inch capacity, finishes 5/16 inch; feed dog No. 61305 C, throat plate No. 61324 C-093, presser foot No. 61320 L (screw No. 25 C) |
| L11 | Hemming rayon and similar materials, 3/64 inch capacity, finishes 5/16 inch; feed dog No. 61205 A, throat plate No. 61224 C-063, presser foot No. 61420 BN (screw No. 25 C) |
| L122 | Hemming bed sheets, 1/16 inch capacity, finishes 2 inches, attached to swing-out bracket No. K51659; feed dog No. 61205 C, throat plate No. 61224 C-063, presser foot No. 61420 BG (screw No. 22711) |
| L123 | Plate Hemmer, for garments made of muslin, 1/16 inch capacity, finishes 1/8 inch; feed dog No. 61205 C, throat plate No. 61224 C-063, presser foot No. 61420 BN (screw No. 25 C) |
| L154 | Hemming mesh curtains, 3/32 inch capacity, finishes 3 1/4 inches, attached to swing-out bracket No. K51623; feed dog No. 61205 C, throat plate No. 61224 C-063, presser foot No. 61220 (screw No. 22570) |
| L265 | Hemming men's shorts, 1/2 inch finished hem; feed dog No. 61205 C, throat plate No. 61224 C-063, presser foot No. 61420 BN (screw No. 25 C) |
| L471 | Hemming sleeves and work shirts, finishes 1/2 inch; feed dog No. 61205 A, throat plate No. 61224 C-063, presser foot No. 61320 AJ (screw No. 22585 A) |
| L489 | Hemming sleeves and bottom of sport shirts, finished 3/4 inch; feed dog No. 61205 A, throat plate No. 61224 C-063, presser foot No. 61220 K (screw No. 22585 A) |
| L610 | Hemming men's shorts, finishes 3/4 inch; feed dog No. 61205 C, throat plate No. 61224 C-063, presser foot No. 61220 (screw No. 25 C) |
| L688 | Miscellaneous hemming operations, capacity 1/16 inch, finishes 5/8 inch, 1/4 inch underlap; feed dog No. 61205 A, throat plate No. 61224 C-063, presser foot No. L505 (screw No. 25 C) |
| L763 | Hemming herringbone twill, 1/16 inch capacity, finishes 7/8 inch, 1/4 inch underlap; feed dog No. 61305 A, throat plate No. 61324 A-093, presser foot No. 61420 H (screw No. 25 C) |
| 23168S | Miscellaneous hemming operations, 3/32 inch capacity, finishes 11/16 inch; feed dog No. 61305 D, throat plate No. 61324 D-093, presser foot No. 61420 BN (screw No. 25 C) |
| K51622 | Hemming bed sheets, 1/16 inch capacity, finishes 3 inches, attached to swing-out bracket No. K51659; feed dog No. 61205 A, throat plate No. 61224 C-063, presser foot No. 61420 BG (screw No. 22711) |
| K51649 | Hemming muslin garments, 3/64 inch capacity, finishes 1/8 inch; feed dog No. 61205 A, throat plate No. 61224 C-063, presser foot No. 61220 T (screw No. 25 C) |
| K51650 | Hemming men's woven shorts, 5/64 inch capacity, finishes 3/8 inch; feed dog No. 61205 C, throat plate No. 61224 C-063, presser foot No. 61220 T (screw No. 25 C) |
| K51668 | Hemming muslingarments, capacity 5/64 inch, finishes 3/16 inch; feed dog No. 61205 C, throat plate No. 61224 C-063, presser foot No. 61220 T (screw No. 25 C) |
| K51669 | Hemming men's woven shorts, 5/64 inch capacity, finishes 1/4 inch; feed dog No. 61205 C, throat plate No. 61224 C-063, presser foot No. 61420 BN (screw No. 25 C) |
| K51672 | Hemming overall suspender straps, 5/64 inch capacity, finishes 5/16 inch; feed dog No. 61305 C, throat plate No. 61324 C-093, presser foot No. 61320 C (screw No. 25 C) |



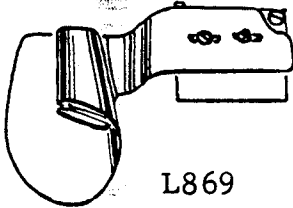
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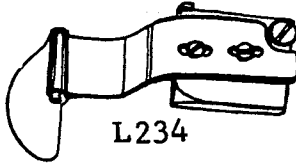
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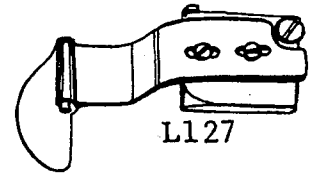
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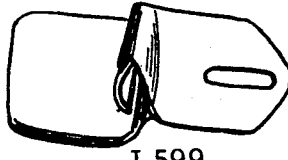
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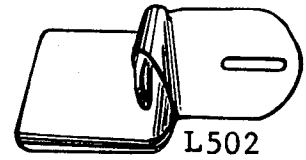
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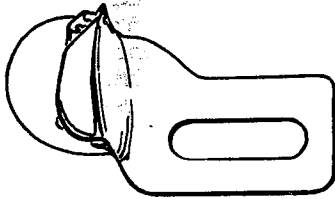
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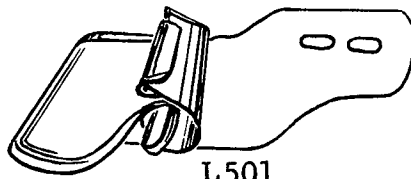
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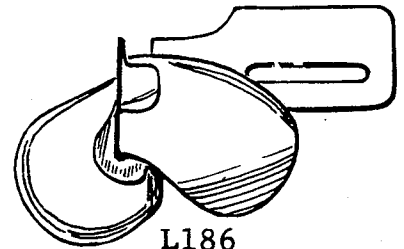
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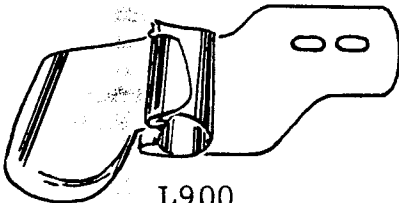
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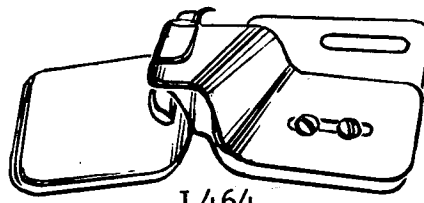
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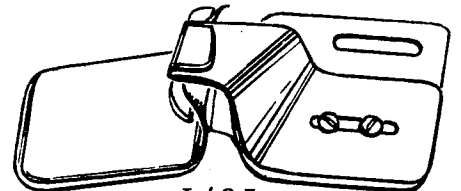
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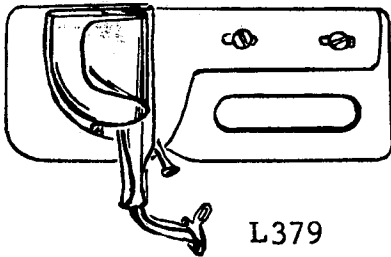
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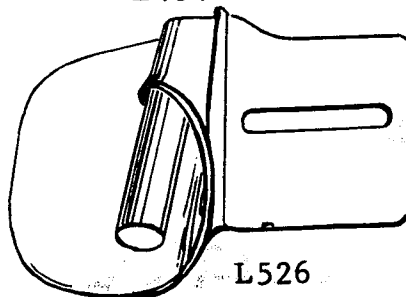
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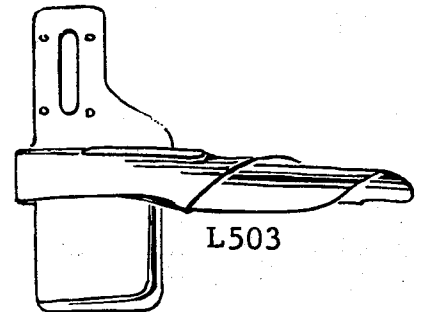
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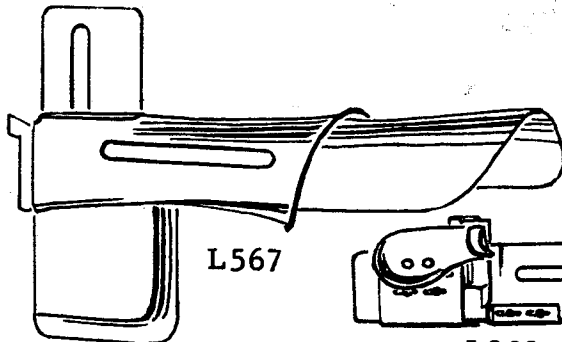
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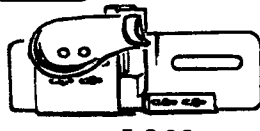
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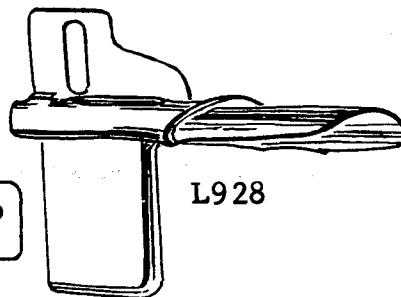
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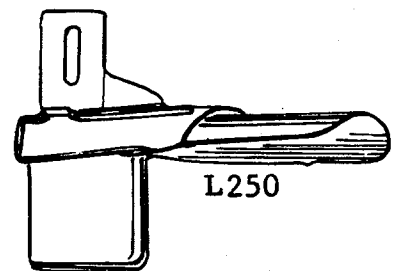
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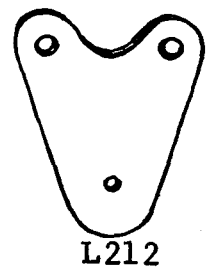
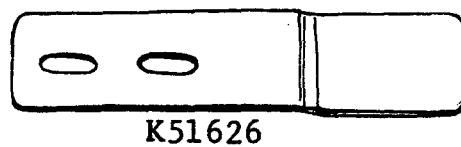
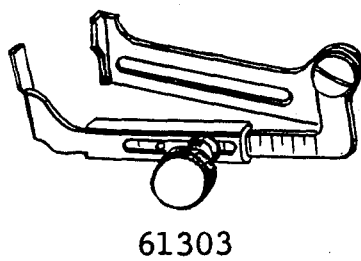
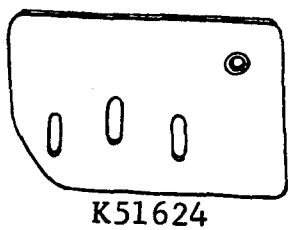
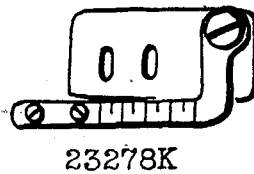
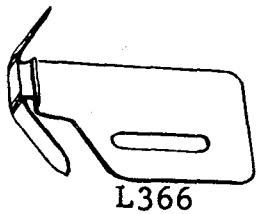
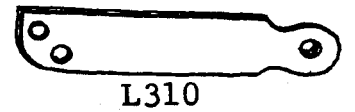
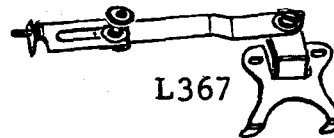
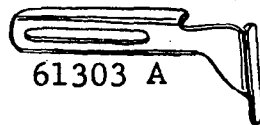
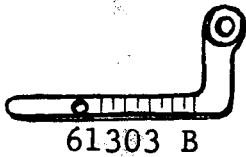
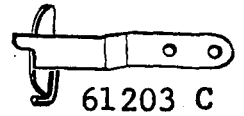
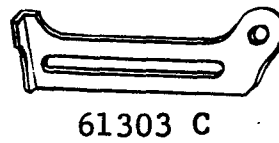
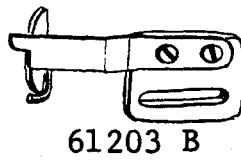
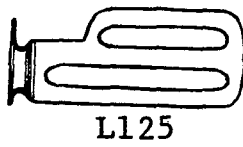
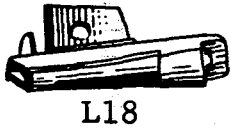
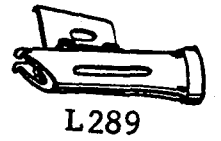
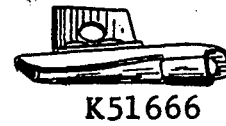
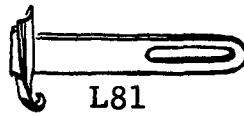
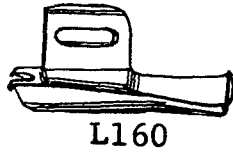
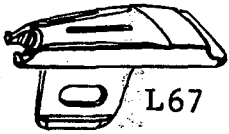
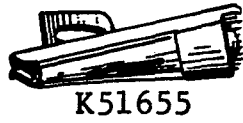
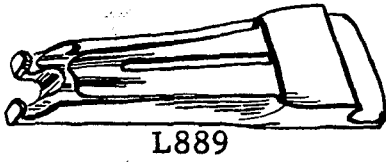
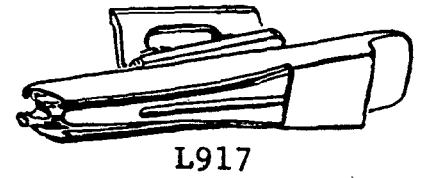
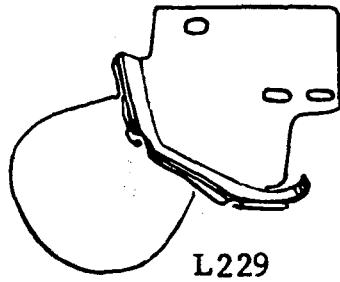
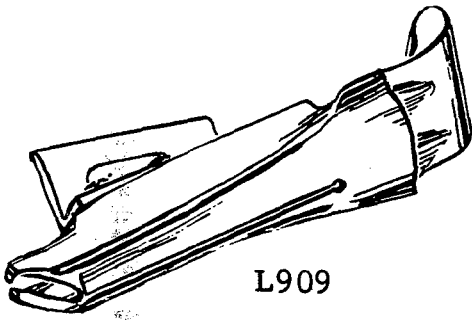
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L250

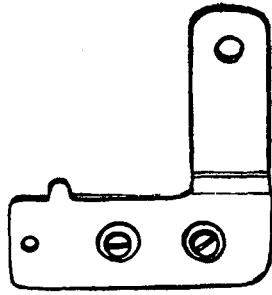
HEMMERS AND FOLDERS

| <u>Part No.</u> | <u>Description</u> |
|-----------------|--|
| L32 | Hemming heavy work shirts, swing-out type, finishes 3/16 inch; feed dog No. 61205 A, throat plate No. 61224 C-063, presser foot No. 61320 AJ (pivot screw No. 22726, washer No. 12957 E) (screw No. 25 C) |
| L127 | Hemming work shirts, 3/64 inch capacity, finishes 1/4 inch, swing-out type; feed dog No. 61205 C, throat plate No. 61224 C-063, presser foot No. 61420 BN (pivot screw No. 22760 A, scroll screw No. 22561) (screw No. 25 C) |
| L186 | Folder and Guide, capacity 3/64 inch, finishes 3/16 inch, lower ply turned upward, top ply enters from right; feed dog No. 61205 A, throat plate No. 61224 C-063, presser foot No. 61220 Q (screw No. 25 C) |
| L234 | Hemming work shirts, swing-out type, finishes 5/16 inch; feed dog No. 61205 C, throat plate No. 61224 C-063, presser foot No. 61420 BN (scroll screw No. 22561, pivot screw No. 22760 A) (screw No. 25 C) |
| L250 | Folder, for attaching sleeve facings, light weight material, 1/32 inch capacity, 2 5/8 inch width of strip, finishes 1 1/8 inches; feed dog No. 61405 K, throat plate No. 61424 K-063, presser foot No. 61420 H (screw No. 25 C) |
| L379 | Folder, for cording and piping pajama coats, uses 5/8 inch bias cut tape and 3/32 diameter cord; feed dog No. 61305 B, throat plate No. 61324 B-063, presser foot No. L380 (screw No. 25 C) |
| L390 | Hemming handkerchiefs, swing-out type, 3/64 inch capacity, finishes 3/32 inch; feed dog No. L369, throat plate No. L391, presser foot No. 61320 AJ (pivot screw No. 22726, washer No. 12957 E) (screw No. 25 C) |
| L464 | Folder and Guide, making pants flies on heavy material, lower ply turned upward, top ply enters from right, 1/16 inch capacity; feed dog No. 61305 Q, throat plate No. 61324 Q-063, presser foot No. 61420 AP (attaching screw No. 22585 A, guide screw No. 22825) |
| L495 | Folder and Guide, making pants flies on medium weight materials, 1/32 inch capacity, lower ply turned upward, top ply enters from right; feed dog No. 61305 Q, throat plate No. 61324 Q-063, presser foot No. 61420 AP (attaching screw No. 22585 A, guide screw No. 22825) |
| L501 | Double Edge Folder, for joining shoulder seams on shirts, capacity 3/64 inch; feed dog No. 61205 C, throat plate No. 61224 C-063, presser foot No. L506 (screw No. 22585 A) |
| L502 | Hemming overall suspender straps, capacity 5/64 inch, finishes 5/16 inch, attached to swing-out bracket No. 23278 K; feed dog No. 61305 A, throat plate No. 61324 A-093, presser foot No. 61320 L (screw No. 22585 A) |
| L503 | Folder, for gabardine and light weight flannel sport shirts, 3/64 inch capacity, 2 5/8 inch width of strip, finishes 1 1/8 inches; feed dog No. 61405 K, throat plate No. 61424 K-063, presser foot No. 61420 H (screw No. 25 C) |
| L524 | Hemming shirts and similar garments, swing-out type, finishes 3/8 inch; feed dog No. 61205 D, throat plate No. 61224 F-063, presser foot No. 61420 BN (pivot screw No. 22726, washer No. 12957 E) (screw No. 25 C) |
| L526 | Folder, for light weight Army cloth, 1/32 inch capacity, finishes 11/16 inch; feed dog No. 61305 D, throat plate No. 61324 D-093, presser foot No. 61220 K (screw No. 25 C) |
| L531 | Double Edge Folder, for broadcloth, 1/32 inch capacity; feed dog No. 61205 A, throat plate No. 61224 C-063, presser foot No. 61220 (screw No. 25 C) |
| L567 | Folder, for attaching pajama cuffs, 5/16 inch margin to left of needle, 1/32 inch capacity, 5 inch width of strip, finishes 2 1/4 inches; feed dog No. 61405 K, throat plate No. 61424 K-063, presser foot No. 61420 S (screw No. 25 C) |
| L599 | Finishing button stays on work shirts, 5/64 inch capacity, finishes 3/16 inch hem attached to swing-out bracket No. 23278 K; feed dog No. 61205 A, throat plate No. 61224 C-063, presser foot No. 61320 AJ (screw No. 22585 A) |
| L719 | Hemming pajama pants, finishes 1 1/8 inches; feed dog No. 61205 A, throat plate No. 61224 C-063, presser foot No. 61420 BN (screw No. 25 C) |
| L829 | Folder, for attaching rick-rack to house dresses, 1/16 inch capacity, 1/4 inch fold; feed dog No. 61205 A, throat plate No. 61224 C-063, presser foot No. 61220 Q (rick-rack guide, right, No. 23377 A, rick-rack guide, left, No. 23377 B, screw No. 25 B) (screw No. 25 C) |
| L869 | Hemming herringbone twill, attached to swing-out bracket, finishes 5/8 inch; feed dog No. 61205 A, throat plate No. 61224 C-063, presser foot No. L505 (scroll screw No. 22561, pivot screw No. 22760 A) (screw No. 25 C) |
| L900 | Joining shoulder seams, has 5/16 inch underlap, 3/64 inch capacity; feed dog No. 61205 C, throat plate No. 61224 C-063, presser foot No. L506 (screw No. 22585 A) |
| L928 | Folder, for attaching 7/8 inch flannel sleeve facings, width of strips 2 1/4 inches, 1/4 inch underlap, 3/32 inch capacity; feed dog No. 61305 K, throat plate No. 61324 J-093, presser foot No. 61220 K (screw No. 25 C) |

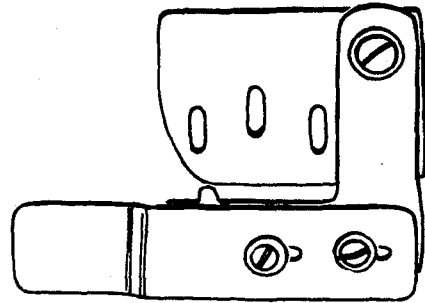


BINDERS, GUIDES AND MISCELLANEOUS PARTS

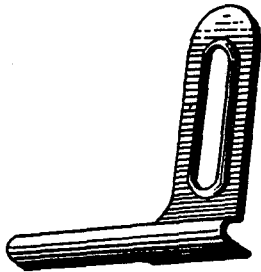
| <u>Part No.</u> | <u>Description</u> |
|-----------------|---|
| L18 | Cut Edge Binder, for 13/16 inch bias binding for heavy woolens, 3/16 inch finish; feed dog No. 61305 B, throat plate No. 61224 D-093, presser foot No. 61220 H (screw No. 22649 F-16) |
| L67 | Cut Edge Binder, for 1 inch bias binding for melton, 7/32 inch finish, 3/64 inch capacity; feed dog No. 61305 B, throat plate No. 61224 D-093, presser foot No. 61220 H (screw No. 22649 F-16) |
| L77 | Selvage Edge Binder, for 5/8 inch binding on mattress ticks, 5/16 inch finish, 3/64 inch capacity; feed dog No. 61305 B, throat plate No. 61224 D-093, presser foot No. 61220 H (screw No. 22649 F-16) |
| L81 | Selvage Edge Binder, for 1/2 inch binding on mattress ticks, 1/4 inch finish; feed dog No. 61305 B, throat plate No. 61224 D-093, presser foot No. L235 (screw No. 22585 A) |
| L89 | Selvage Edge Binder, for 1/2 inch binding, 1/4 inch finish, has 5/32 inch jaw capacity; feed dog No. 61305 B, throat plate No. 61224 D-093, presser foot No. 61220 H (screw No. 22649 F-16) |
| L125 | Edge Guide, 7/8 inch guide surface (screw No. 22585 A) |
| L160 | Selvage Edge Binder, for mattress ticks, ornamental binding, 11/16 inch width of strips, 11/32 inch finish, 1/16 inch capacity; feed dog No. 61305 B, throat plate No. 61224 D-093, presser foot No. 61220 H (screw No. 22649 F-16) |
| L184 | Selvage Edge Binder, for lightweight material, 1/32 inch capacity, for 1/2 inch binding, 1/4 inch finish; feed dog No. 61305 B, throat plate No. 61324 B-093, presser foot No. 61220 H (screw No. 22649 F-16) |
| L212 | Base, for swing-out bracket No. K51659 (screw No. 94) |
| L229 | Cut Edge Binder, for 11/16 inch bias binding for pocket facings, top ply folded and lower ply raw, finishes 3/16 inch on top and approximately 5/16 inch on the bottom; feed dog No. 61305 B, throat plate No. 61324 B-093, presser foot No. 61420 T (screw No. 22649 F-16) |
| L289 | Selvage Edge Binder, for 11/16 inch binding, 11/32 inch finish; feed dog No. 61305 B, throat plate No. 61324 B-093, presser foot No. 61220 H (screw No. 22649 F-16) |
| L310 | Binder Swinging Arm Adaptor Bracket, for special binders |
| L366 | Edge Guide, for stitching cuffs to shirts (screw No. 22585 A) |
| L367 | Adjustable Throw-out Edge Guide, for stitching down collars (attaching screw No. 94, pivot screw No. 22726, washer No. 12957 E, thumb nut No. T29, washer No. 21657 E) |
| L377 | Edge Guide, for use with plate hemmer No. L378 (screw No. 22585 A) |
| L766 | Selvage Edge Binder, for 9/16 inch binding, 9/32 inch finish, 5/32 inch jaw capacity; feed dog No. 61305 B, throat plate No. 61224 D-093, presser foot No. 61220 H (screw No. 22649 F-16) |
| L889 | Cut Edge Binder, for 5/8 inch bias binding for binding coat seams, top ply folded and lower ply raw, finishes 3/16 inch on top and 1/4 inch on the bottom; feed dog No. 61205 B, throat plate No. 61224 B-093, presser foot No. L235 |
| L909 | Cut Edge Binder, for broadcloth shirts, 1/32 inch capacity, bias cut strips 1 1/8 inch, finishes 13/32 inch; feed dog No. 61305 B, throat plate No. 61224 D-063, presser foot No. 61420 BE (screw No. 22649 F-16) |
| L917 | Cut Edge Binder, for silk and similar material, 1/2 inch bias cut strips, 1/8 inch finish; feed dog No. L916, throat plate No. 61224 D-063, presser foot No. L235 (screw No. 22649 F-16) |
| 23278 K | Swing-out Bracket, for small plate hemmers (attaching screw No. 22585 A, pivot screw No. 134, washer No. 61303 D, edge guide holder No. 61303 B) |
| K51624 | Base, for Nos. 51623, K51606 (screw No. 94) |
| K51626 | Hemmer Support, for No. K51606 (screw No. 22570), washer No. 20) |
| K51655 | Cut Edge Binder, for 1 inch bias binding, 1/4 inch finish; 3/64 inch capacity; feed dog No. 61305 B, throat plate No. 61224 D-093, presser foot No. 61220 H (screw No. 22649 F-16) |
| K51666 | Cut Edge Binder, for 3/4 inch bias binding, 3/16 inch finish; 3/64 inch capacity; feed dog No. 61305 B, throat plate No. 61224 D-093, presser foot No. 61220 H (screw No. 22649 F-16) |
| K51667 | Cut Edge Binder, for 7/8 inch bias binding, 7/32 inch finish; feed dog No. 61305 B, throat plate No. 61224 D-093, presser foot No. 61220 H (screw No. 22649 F-16) |
| K51671 | Cut Edge Binder, for 1 inch bias binding, 1/4 inch finish; 1/16 inch capacity; feed dog No. 61305 B, throat plate No. 61224 D-093, presser foot No. 61220 H (screw No. 22649 F-16) |
| K51677 | Selvage Edge Binder, for 5/8 inch bias binding, 5/16 inch finish; 1/32 inch capacity, feed dog No. 61305 B, throat plate No. 61224 D-093, presser foot No. 61220 H (screw No. 22649 F-16) |
| K51699 | Cut Edge Binder, for 5/8 inch straight cut binding, 5/32 inch finish; 3/64 inch capacity; feed dog No. 61305 B, throat plate No. 61224 D-093, presser foot No. 61220 H (screw No. 22649 F-16) |
| 61203 B | Flexible Guide Assembly, for edge stitching collars and cuffs on dress shirts; one each Nos. 61203 C, 61203 D; two No. 22561 (screw No. 22585 A) |
| 61203 C | Flexible Edge Guide, for No. 61203 B (screw No. 22561) |
| 61203 D | Base, for No. 61203 B |
| 61303 | Adjustable Edge Guide, swing-out type for edge stitching coats and vests; one each Nos. 134, 22551, 61303 A, 61303 B, 61303 C, 61303 D (screw No. 22585 A) |
| 61303 A | Edge Guide, for No. 61303 (screw No. 22551) |
| 61303 B | Edge Guide Holder, for No. 61303, also for Nos. L378, 23278 K |
| 61303 C | Edge Guide Holder Base, for No. 61303 |



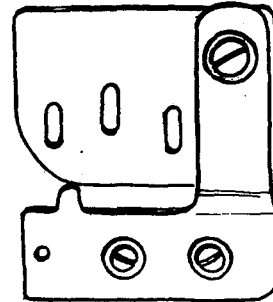
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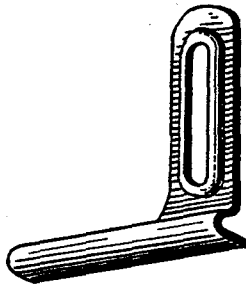
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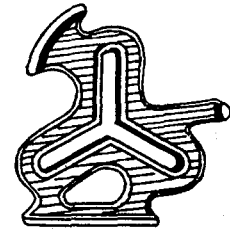
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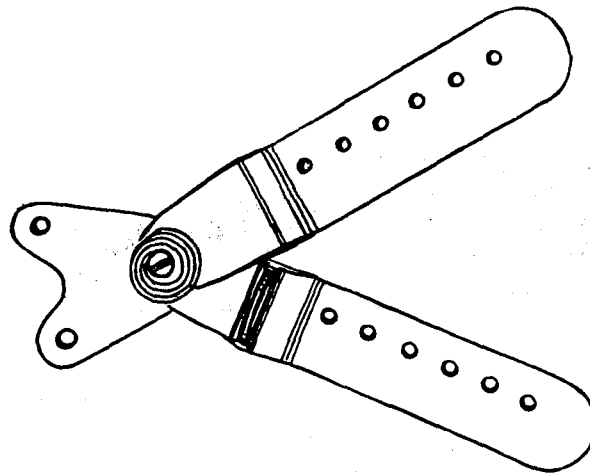
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61203



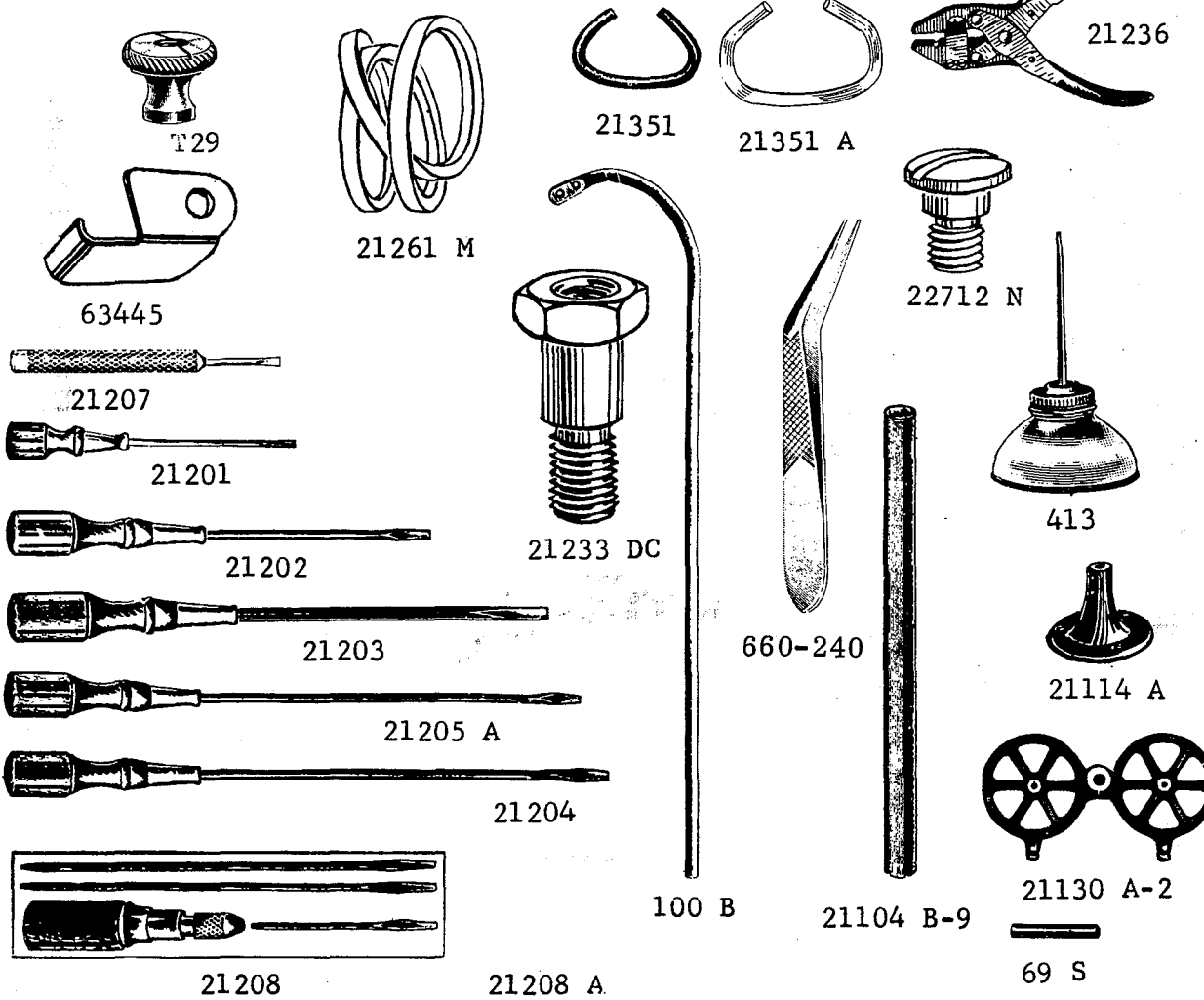
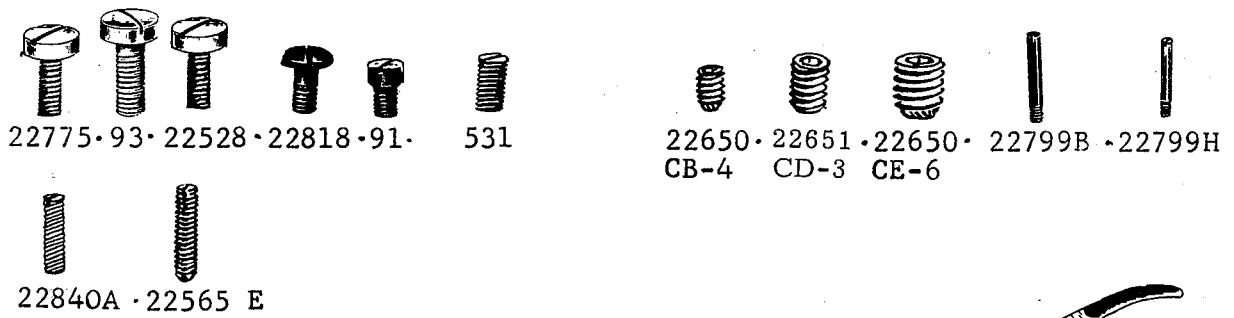
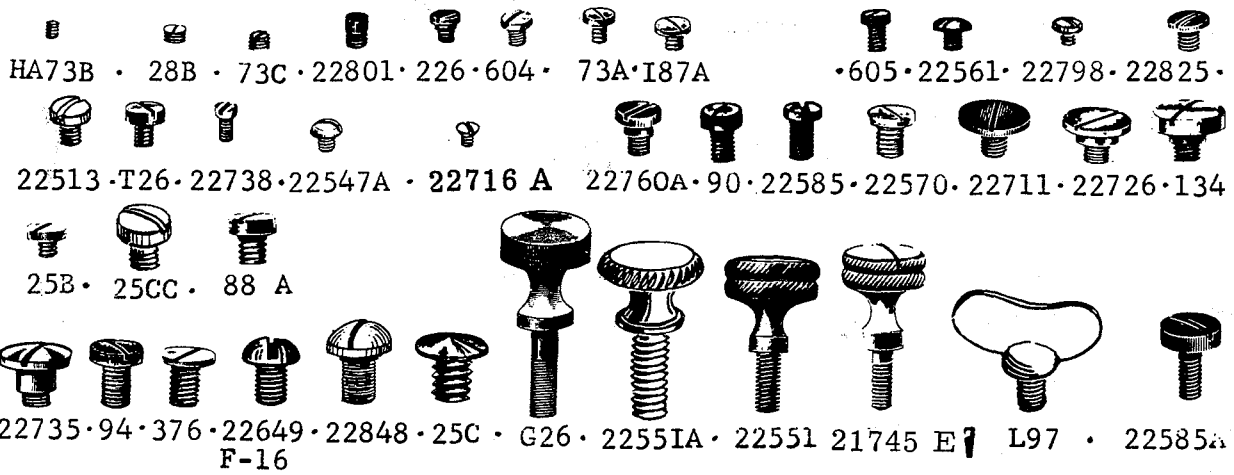
61303 E



K51659

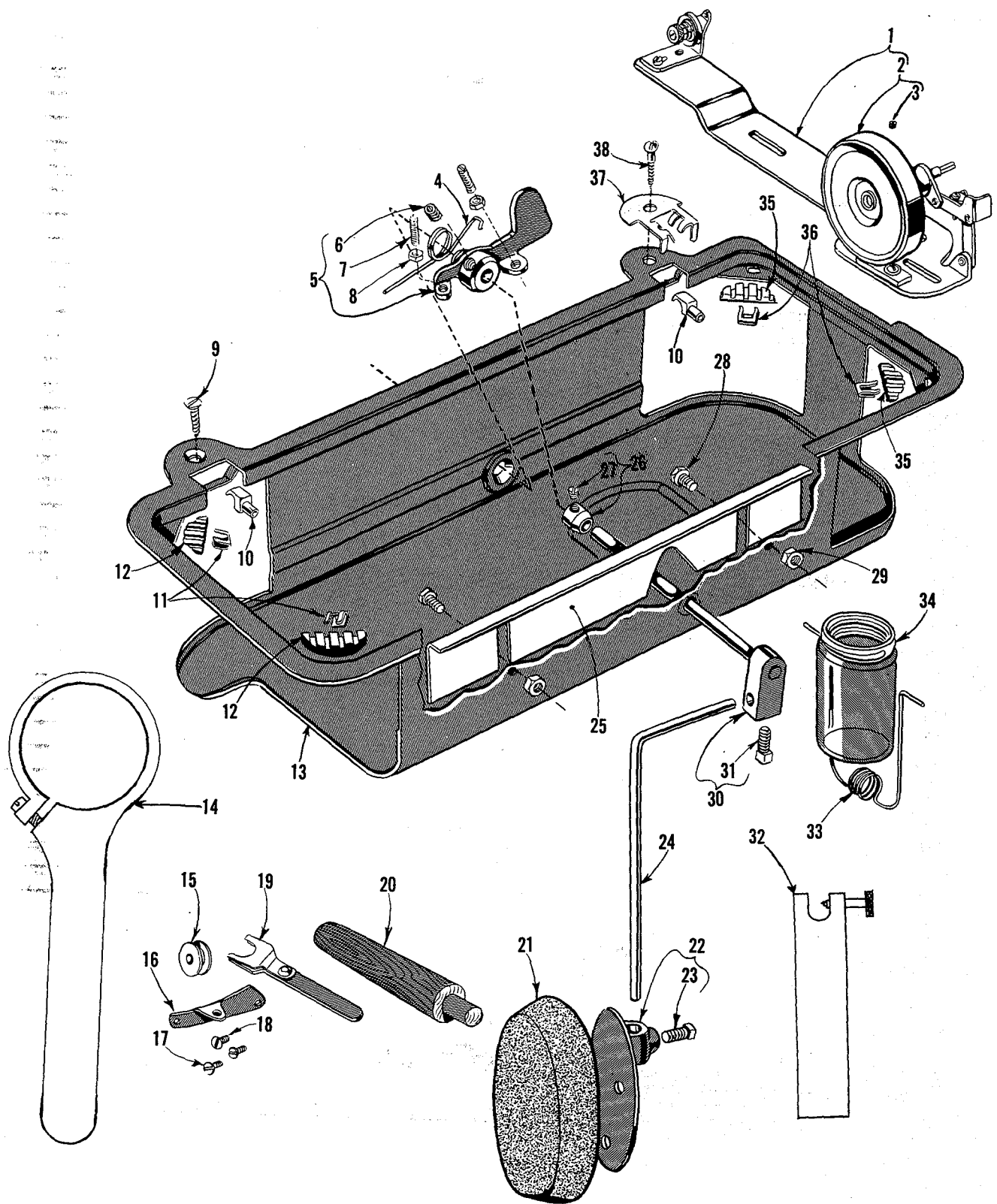
BRACKETS AND GUIDES

| <u>Part No.</u> | <u>Description</u> |
|-----------------|---|
| K51606 | Swing-out Bracket, for plate hemmers with short bases; one each Nos. 12957 E, 22735, K51624, K51625, K51626; two each Nos. 20, 22570 (screw No. 94) |
| K51623 | Swing-out Bracket, for plate hemmers with long bases; one each Nos. 12957 E, 22735, K51624, K51625; two each Nos. 20, 22570 (screw No. 94) |
| K51625 | Swinging Arm, for Nos. 51606, K51623 (pivot screw No. 22735, washer No. 12957 E) |
| K51659 | Swing-out Bracket, for dual plate hemmers on sheets (screw No. 94) |
| 61203 | Edge Guide, for machine with throat plates flush with bed (screw No. 22551 A) |
| 61203 A | Edge Guide, for machine with raised throat plate (screw No. 22551 A) |



SCREWS AND MISCELLANEOUS PARTS

| <u>Part No.</u> | <u>Description</u> |
|-----------------|---|
| 25 B | Screw, for folder No. L829 |
| 25 C | Screw, for attachment mounted on bed |
| 25 CC | Screw, for hemmer No. L379 |
| G26 | Thumb Screw, for edge guide No. 61303 E |
| T26 | Screw, for spring No. 21240 F, on quilting guide No. 21240 A |
| 28 B | Screw, for presser foot No. 63420 D |
| T29 | Screw, for hemmer No. L367 |
| 69 S | Spool Pin, 4 inches long |
| 73 A | Screw, for knife guard No. 61430 B on presser foot No. 61420 C; also for presser feet Nos. L653, 61420 C, 61420 BW, 63420 D |
| 73 C | Screw, for presser feet Nos. 61420 BW, 63420 D |
| HA73 B | Screw, for presser foot No. 61420 BW |
| 88 A | Screw, for hemmer No. L889 |
| 90 | Attaching Screw, for plate hemmer No. L385, used on complete hemmer No. L378; also for hemmer No. L96 |
| 91 | Screw, for bushing No. 21240 C, on quilting guide No. 21240 A |
| 93 | Screw, for adjustable throw-out edge guide No. L367 |
| 94 | Screw, for edge guide Nos. L367, K51606, K51623 |
| L97 | Thumb Screw, for binders mounted on throat plate |
| 100 B | Thread Stand Wire |
| 134 | Pivot Screw, for edge guides Nos. L378, 23278 K, 61303 |
| 187 A | Screw, for chain cutting knife No. 1741 B; also for presser feet Nos. L218, L336, L415, L637, 61220 AC, 61320 E, 61320 F, 61320 U, 61320 V, 61320 AE, 61420 L |
| 226 | Spring Screw, for presser feet Nos. L556, 61420 BU, 61420 BV, 61420 BY |
| 376 | Screw, for attaching throat plate |
| 413 | Oil Can |
| 531 | Screw, for hemmers Nos. L250, L503 |
| 604 | Screw, for presser feet Nos. L86 A, 61420 BW |
| 605 | Screw, for presser foot No. 63420 D |
| 660-240 | Thread Tweezers |
| 21104 B-9 | Thread Stand Rod, 9 inches long; also lengths from 2 to 48 inches |
| 21114 A | Thread Stand Base (two screw No. 22651 CD-3) |
| 21130 A-2 | Thread Stand Seat (screw No. 22650 CE-6; two screw No. 22650 CB-4) |
| 21201 | Screwdriver, 9/64 inch round blade, over-all length 7 3/8 inches |
| 21202 | Screwdriver, 3/16 inch round blade, over-all length 9 3/8 inches |
| 21203 | Screwdriver, 3/16 inch round blade, over-all length 11 3/8 inches |
| 21204 | Screwdriver, 7/32 inch round blade, over-all length 15 inches |
| 21205 A | Screwdriver, 3/8 inch round blade, over-all length 14 5/8 inches |
| 21207 | Screwdriver, 3/32 inch round blade, over-all length 2 7/16 inches |
| 21208 | Screwdriver Set, 3 detachable blades, diameters 1/8, 7/32 and 1/4 inch |
| 21208 A | Screwdriver Set, includes one each Nos. 21201, 21202, 21205 A |
| 21233 DC | Adaptor Stud, for attaching old style light fixture assembly |
| 21236 | Belt Pliers, for 3/8 inch and smaller round belting |
| 21261 M-410 | "V" Belt, No. 1 size, oil resistant; outside circumference 41 inches |
| 21261 M-420 | "V" Belt; outside circumference 42 inches |
| 21261 M-430 | "V" Belt; outside circumference 43 inches |
| 21261 M-440 | "V" Belt; outside circumference 44 inches |
| 21351 | Belt Hook, wire, for 9/32 inch round belt |
| 21351 A | Belt Hook, wire, for 3/8 inch round belt |
| 21745 E | Thumb Screw, for presser feet |
| 22513 | Screw, for folder No. L917 |
| 22528 | Screw, for feed dog holder |
| 22547 A | Screw, for adjustable spring guide No. 61330 N on presser feet Nos. L769, 61320 N |
| 22551 | Thumb Screw, for edge guide No. 61303 and hemmer No. L378 |
| 22551 A | Thumb Screw, for edge guide Nos. 61203, 61203 A |
| 22561 | Screw, for spring guide No. 61430 M, on presser foot No. 61420 K; also for flexible guide No. 61203 C and for scroll on hemmer Nos. L127, L234, L869 |
| 22565 E | Screw, for presser feet Nos. 61420 BU, 61420 BV |
| 22570 | Attaching Screw, for plate hemmers, used on swing-out bracket No. K51623 |
| 22585 | Screw, for locking lever on plate hemmer No. L96 |
| 22585 A | Screw, for edge guides Nos. L125, L366, L377, 61303; also for flexible guide assembly No. 61203 B, hemmers mounted on swing-out bracket No. 23278 K and attachment Nos. L81, L464, L471, L489, L495, L501, L900 |
| 22649 F-16 | Screw, for attaching binder to throat plate |
| 22650 CB-4 | Screw, for thread stand wire No. 100 B |
| 22650 CE-6 | Screw, for thread stand seat No. 21130 A-2 |
| 22651 CD-3 | Screw, for thread stand base No. 21114 A |
| 22711 | Screw, for attachments mounted on swing-out bracket No. K51659 |
| 22712 N | Screw, for attaching old style light fixture assembly |
| 22716 A | Screw, for presser foot No. 61220 AA |
| 22726 | Pivot Screw, for hemmer Nos. L32, L390, L394, L524; also for adjustable throw-out edge guide No. L367 |
| 22735 | Pivot Screw, for swing-out brackets Nos. K51606, K51623 |
| 22738 | Screw, for hemmer scroll No. L727; also for presser feet Nos. L292, L756, L768, L868, 61420 AC |
| 22760 A | Screw, for hemmers Nos. L127, L234, L869 |
| 22775 | Screw, for holding presser feet |
| 22798 | Screw, for presser foot No. L875 |
| 22799 B | Hinge Screw, for presser feet Nos. L556, 61420 M, 61420 BC |
| 22799 H | Hinge Screw, for presser foot No. 61420 AN |
| 22801 | Hinge Screw, for presser foot No. L556 |
| 22818 | Axle Screw, for No. K67399 |
| 22825 | Screw, for folders and guides Nos. L464, L495 |
| 22840 A | Hinge Adjusting Screw, for presser feet Nos. L82 A, L293, L566, L943, 61420 H, 61420 T, 61420 AS, 61420 BR, 61420 BT, 61420 CM |
| 22848 | Attaching Screw, rear, for swing-out guide No. 23278 K |
| 63445 | Stitch Length Lock |



BOBBIN WINDER, KNEE PRESS AND OIL PAN ASSEMBLY

| <u>Ref.</u> <u>No.</u> | <u>Part</u> <u>No.</u> | <u>Description</u> | <u>Amt.</u> <u>Req.</u> |
|---------------------------|---------------------------|--|----------------------------|
| 1 | 61477 M | Bobbin Winder, complete ----- | 1 |
| 2 | 61377 Y | Pulley ----- | 1 |
| 3 | 22878 | Set Screw ----- | 1 |
| 4 | 21665 E | Knee Press Spring ----- | 1 |
| 5 | 21665 J | Knee Press Lifter Lever ----- | 1 |
| 6 | 22650 AE-6 | Set Screw ----- | 1 |
| 7 | 22597 F | Screw ----- | 2 |
| 8 | 18 | Nut ----- | 2 |
| 9 | 22846 Q-16 | Wood Screw, countersunk head ----- | 1 |
| 10 | 61375 | Hinge Stud ----- | 2 |
| 11 | 63476 A | Isolator Clip, left ----- | 2 |
| 12 | 63476 | Isolator Pad, left ----- | 2 |
| 13 | 21393 N | Oil Drip Pan ----- | 1 |
| *14 | 21388 AV | Bearing Housing Puller ----- | 1 |
| 15 | 61212 | Bobbin ----- | 1 |
| 16 | 61470 D | Frame Thread Eyelet ----- | 1 |
| 17 | 22570 A | Screw, for No. 61470 D ----- | 1 |
| 18 | 22585 A | Screw, for miscellaneous attachments ----- | 2 |
| *19 | 21227 BY | Felt Assembly Adapter ----- | 1 |
| 20 | 61378 | Machine Rest Pin, wood ----- | 1 |
| 21 | 660-168 | Knee Press Pad, rubber ----- | 1 |
| 22 | 21664 | Knee Press Plate ----- | 1 |
| 23 | 69 FD | Screw ----- | 1 |
| 24 | 21663 D | Knee Lifter Plate Rod ----- | 1 |
| 25 | 21393 R | Retaining Plate ----- | 1 |
| 26 | 21661 R | Knee Press Rod Collar ----- | 1 |
| 27 | 88 | Set Screw ----- | 1 |
| 28 | 21393 S | Bolt ----- | 2 |
| 29 | 651-16 | Nut ----- | 2 |
| 30 | 21661 N | Knee Press Rod ----- | 1 |
| 31 | 69 FD | Screw ----- | 1 |
| *32 | 21227 BZ | Take-up Eyelet Replacement Tool ----- | 1 |
| 33 | 21393 L | Oil Drain Jar Clamp Spring ----- | 1 |
| 34 | 666-166 | Oil Drain Jar, glass ----- | 1 |
| 35 | 63476 B | Isolator Pad, right ----- | 2 |
| 36 | 63476 C | Isolator Clip, right ----- | 2 |
| 37 | 63474 A | Bed Positioning Spring ----- | 1 |
| 38 | SC331 | Wood Screw, round head ----- | 1 |

* Not furnished with machine, but may be ordered separately as an extra send and charge item.

| Presser Foot No. | Overall Width | ℄ Needle Slot To Left Side | ℄ Needle Slot To Right Side | Presser Foot No. | Overall Width | ℄ Needle Slot To Left Side | ℄ Needle Slot To Right Side |
|------------------|---------------|----------------------------|-----------------------------|------------------|---------------|----------------------------|-----------------------------|
| 61220 | 15/32" | 1/4" | 7/32" | *61420 AG | 45/64" | - | 3/8" |
| 61220 G | 7/16" | 7/32" | 7/32" | *61420 AH | 1/2" | - | 3/16" |
| 61220 H | 29/64" | 9/32 | 11/64" | *61420 AJ | 13/32" | - | 1/32" |
| 61220 J | 15/32" | 17/64" | 13/64" | *61420 AK | 11/16" | - | 3/8" |
| 61220 K | 49/64" | 1/4" | 33/64" | *61420 AM | 13/16" | - | 1/2" |
| *61220 N | 7/16" | - | 1/16" | 61420 AN | 17/32" | 1/4" | 9/32" |
| 61220 P | 17/32" | 19/64" | 15/64" | 61420 AP | 37/64" | 5/16" | 17/64" |
| 61220 Q | 37/64" | 1/4" | 21/64" | 61420 AR | 27/64" | 23/64" | 1/16" |
| 61220 R | 21/64" | 5/16" | 1/64" | 61420 AS | 7/16" | 1/4" | 3/16" |
| 61220 S | 17/32" | 1/4" | 9/32" | 61420 AT | 5/16" | 5/32" | 5/32" |
| 61220 T | 13/32" | 13/64" | 13/64" | 61420 AU | 7/8" | 5/16" | 9/16" |
| 61220 V | 21/64" | 1/64" | 5/16" | 61420 AV | 7/16" | 7/32" | 7/32" |
| 61220 W | 17/32" | 9/32" | 1/4" | 61420 AW | 17/32" | 19/64" | 15/64" |
| 61220 AB | 23/64" | 19/64" | 1/16" | 61420 AX | 29/64" | 21/64" | 1/8" |
| *61220 AC | 13/32" | - | 3/64" | 61420 AY | 1/2" | 1/4" | 1/4" |
| 61320 | 11/16" | 15/64" | 29/64" | 61420 AZ | 3/8" | 17/64" | 7/64" |
| 61320 C | 19/32" | 5/16" | 9/32" | 61420 BB | 1/4" | 5/32" | 3/32" |
| *61320 E | - | - | 1/8" | 61420 BD | 7/16" | 1/4" | 3/16" |
| *61320 F | 21/32" | - | 3/16" | 61420 BE | 35/64" | 21/64" | 7/32" |
| 61320 K | 1/2" | 9/32" | 7/32" | 61420 BG | 25/64" | 3/16" | 13/64" |
| 61320 L | 17/32" | 9/32" | 1/4" | 61420 BJ | 31/64" | 19/64" | 3/16" |
| 61320 M | 5/16" | 7/64" | 13/64" | 61420 BK | 5/16" | 15/64" | 5/64" |
| †61320 N | - | - | - | 61420 BN | 9/16" | 5/16" | 1/4" |
| 61320 P | 1/2" | 19/64" | 13/64" | 61420 BR | 15/32" | 17/64" | 13/64" |
| 61320 Q | 17/32" | 19/64" | 15/64" | 61420 BT | 7/16" | 1/4" | 3/16" |
| 61320 R | 15/32" | 17/64" | 13/64" | 61420 BU | 5/8" | 5/16" | 5/16" |
| 61320 S | 37/64" | 19/64" | 9/32" | 61420 BV | 31/64" | 15/64" | 1/4" |
| *61320 U | 1/2" | - | 1/16" | 61420 BY | 21/64" | 3/16" | 9/64" |
| *61320 V | 21/32" | - | 1/8" | 61420 CL | 9/32" | 11/64" | 7/64" |
| 61320 X | 3/8" | 1/4" | 1/8" | 61420 CM | 7/8" | 5/16" | 9/16" |
| 61320 AA | 17/32" | 19/64" | 15/64" | L17 | 1/2" | 1/4" | 1/4" |
| *61320 AB | 7/16" | - | 1/16" | L39 A | 13/32" | 21/64" | 5/64" |
| 61320 AC | 13/64" | 3/32" | 7/64" | L64 | 1/2" | 9/32" | 7/32" |
| 61320 AD | 15/32" | 17/64" | 13/64" | L72 | 17/32" | 17/64" | 17/64" |
| *61320 AE | 21/32" | - | 1/4" | L82 A | 3/8" | 1/4" | 1/8" |
| 61320 AF | 5/16" | 3/32" | 7/32" | L86 A | 37/64" | 19/64" | 9/32" |
| 61320 AG | 17/32" | 1/4" | 9/32" | L95 | 7/16" | 1/4" | 3/16" |
| 61320 AH | 17/32" | 9/32" | 1/4" | L158 | 5/8" | 21/64" | 19/64" |
| 61320 AJ | 17/32" | 9/32" | 1/4" | L193 | 23/32" | 5/16" | 13/32" |
| 61320 AL | 13/32" | 21/64" | 5/64" | L195 | 7/16" | 1/4" | 3/16" |
| 61320 AM | 1/4" | 13/64" | 3/64" | L217 | 1/2" | 19/64" | 13/64" |
| 61420 | 1/2" | 1/4" | 1/4" | L218 | 17/32" | 5/16" | 7/32" |
| 61420 A | 1/4" | 1/4" | 1/4" | L266 | 17/32" | 5/16" | 7/32" |
| 61420 B | 33/64" | 1/4" | 17/64" | L290 | 23/32" | 9/32" | 7/16" |
| 61420 C | 17/32" | 1/4" | 9/32" | L293 | 7/16" | 1/4" | 3/16" |
| *61420 E | 37/64" | - | 1/4" | L313 | 17/32" | 9/32" | 1/4" |
| 61420 F | 7/16" | 3/16" | 1/4" | L326 | 3/4" | 25/64" | 23/64" |
| 61420 H | 7/8" | 5/16" | 9/16" | *L336 | - | 1/4" | - |
| **61420 J | 1/4" | - | - | L412 | 59/64" | 3/8" | 35/64" |
| *61420 K | 29/64" | 1/16" | - | *L415 | - | 1/16" | - |
| *61420 L | 13/32" | 1/16" | - | L440 | 35/64" | 5/16" | 15/64" |
| 61420 P | 11/32" | 11/64" | 11/64" | L498 A | 17/32" | 1/4" | 9/32" |
| 61420 R | 5/16" | 7/32" | 3/32" | L505 | 19/32" | 5/16" | 9/32" |
| 61420 S | 1" | 1/4" | 3/4" | L525 | 15/32" | 1/4" | 7/32" |
| 61420 T | 35/64" | 11/32" | 13/64" | L556 | 5/8" | 5/16" | 5/16" |
| 61420 U | 3/4" | 3/8" | 3/8" | *L637 | 21/32" | 11/32" | 5/16" |
| 61420 V | 25/64" | 1/16" | 21/64" | *L653 | - | - | 3/32" |
| *61420 AD | 1/2" | - | 3/16" | L943 | 7/16" | 1/4" | 3/16" |
| 61420 AE | 37/64" | 5/16" | 17/64" | K51683 | 33/64" | 17/64" | 1/4" |
| *61420 AF | 7/16" | - | 1/16" | K51687 | 15/32" | 1/4" | 7/32" |

* ℄ of needle to spring guide.

** Needle penetrates .074 inch from right edge of presser foot.

† Adjustable guide, 1/32 to 3/8 inch from ℄ of needle to right side.

NUMERICAL INDEX OF PARTS

| <u>Part No.</u> | <u>Page No.</u> | <u>Part No.</u> | <u>Page No.</u> | <u>Part No.</u> | <u>Page No.</u> | <u>Part No.</u> | <u>Page No.</u> |
|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| L3 | 67 | 109 | 27, | L380 | 55 | 660-221 | 25, 33 |
| L11 | 67 | | | L385 | 65 | 660-225 | 31 |
| L17 | 51 | L122 | 67 | L390 | 69 | 660-240 | 75 |
| L17 A | 55 | L122 A | 63 | L391 | 39 | 660-254 | 25 |
| 18 | 77 | L123 | 67 | L394 | 65 | 660-254 A | 27 |
| 18-768 | 25 | L125 | 71 | 405-571 | 53 | 660-254 B | 27 |
| L18 | 71 | L127 | 69 | | | 660-254 C | 29 |
| 20 | 63 | | | L408 | 57 | 660-254 D | 29 |
| HS24 C | 27 | 134 | 75 | L412 | 47 | 660-269 | 29 |
| 25 B | 75 | L139 | 57 | 413 | 75 | 660-269 A | 27 |
| 25 C | 75 | L154 | 67 | L415 | 51 | 660-283 A | 29 |
| 25 CC | 75 | L158 | 47 | 421 H | 29 | 660-456 | 25, 29 |
| G26 | 75 | L158 A | 63 | | | 666-109 | 25 |
| T26 | 59, 75 | L160 | 71 | L437 | 41 | 666-166 | 77 |
| 27-527 Blk | 33 | L179 | 65 | L438 | 41 | 666-181 | 33 |
| 27-534 Blk | 25 | L180 | 65 | L440 | 47 | 666-182 | 33 |
| 28 B | 45, 75 | L184 | 71 | L464 | 69 | 666-186 | 29 |
| L28 | 41 | L186 | 69 | L471 | 67 | 666-191 | 25 |
| L29 | 41 | 187 A | 75 | L473 | 57 | 666-194 | 25 |
| T29 | 63, 75 | L193 | 55 | L489 | 67 | 666-198 | 25 |
| L30 | 57 | L195 | 49 | L495 | 69 | 666-200 | 25 |
| L32 | 69 | L196 | 65 | L498 A | 47 | 666-212 | 25 |
| L39 A | 49 | L205 | 53 | L501 | 69 | 666-214 | 25 |
| 50-982 Blk | 25 | L212 | 71 | L502 | 69 | 666-221 | 25 |
| L54 | 41 | L217 | 53 | L503 | 69 | 666-231 | 25 |
| L55 | 41 | L218 | 49 | L505 | 55 | 666-237 | 25 |
| 57 WB | 45 | L220 | 55 | | | 666-238 | 25 |
| 57 WC | 45 | 222 D | 27 | L516 | 65 | 666-261 | 25 |
| 57 WD | 45 | L222 | 41 | L524 | 69 | 666-262 | 25 |
| L64 | 49 | L223 | 41 | L525 | 47 | 666-273 | 25, 29 |
| L67 | 71 | 226 | 75 | L526 | 69 | L683 | 63 |
| CO67 B | 25 | L229 | 71 | L529 | 57 | L688 | 67 |
| | | 230 | 29 | 531 | 75 | 719 | 31 |
| 69 S | 75 | L234 | 69 | L531 | 69 | L719 | 69 |
| 69 FD | 77 | | | L549 | 39 | L727 | 57 |
| L72 | 49 | L250 | 69 | L550 | 39 | L748 | 57 |
| 73 A | 45, 75 | L265 | 67 | L556 | 53 | L756 | 57 |
| 73 C | 29, 31, 45, 75 | L266 | 49 | L564 | 65 | L763 | 67 |
| HA73 B | 33, 45, 75 | L289 | 71 | L566 | 55 | L766 | 71 |
| L77 | 71 | L290 | 55 | L567 | 69 | L768 | 53 |
| L81 | 71 | L292 | 57 | L579 | 35 | L774 | 63 |
| L82 A | 49 | L293 | 47 | L580 | 35 | L775 | 57 |
| L86 A | 47 | L302 | 65 | L582 | 57 | L829 | 69 |
| 88 | 31, 33, 59, 77 | L310 | 71 | L599 | 69 | L836 | 57 |
| 88 A | 75 | L313 | 55 | 604 | 45, 75 | L868 | 57 |
| 88 D | 31 | L314 A | 63 | 605 | 45, 75 | L869 | 69 |
| 89 | 31, 33 | L326 | 49 | L610 | 67 | L889 | 71 |
| L89 | 71 | L327 | 65 | | | L900 | 69 |
| 90 | 27, 31, 75 | SC331 | 77 | L631 | 65 | L909 | 71 |
| 91 | 59, 75 | L336 | 51 | L637 | 51 | L916 | 43 |
| 91 A | 27, 59 | L355 | 65 | 651-16 | 77 | L917 | 71 |
| 93 | 75 | | | 652-16 | 27 | L928 | 69 |
| 94 | 75 | L366 | 71 | 652 B-20 | 29 | L943 | 47 |
| L95 | 49 | L367 | 71 | L653 | 51 | 1230 B | 63 |
| 96 | 27 | L368 | 53 | 660-168 | 77 | 1741 A | 63 |
| L96 | 65 | L369 | 39 | 660-204 | 27 | 1741 B | 63 |
| L97 | 75 | 376 | 27, 75 | 660-215 | 59 | | |
| 100 B | 75 | L377 | 71 | 660-219 A | 27 | 6042 A | 25, |
| | | L378 | 65 | 660-219 B | 29 | 9937 | 29 |
| | | L379 | 69 | 660-219 D | 59 | 11635 B | 25 |
| | | | | | | 12865 | 33 |
| | | | | | | 12935 A | 31 |

NUMERICAL INDEX OF PARTS

| <u>Part No.</u> | <u>Page No.</u> | <u>Part No.</u> | <u>Page No.</u> | <u>Part No.</u> | <u>Page No.</u> | <u>Part No.</u> | <u>Page No.</u> |
|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| 12957 E | 63 | 22565 C | 29 | | | K51687 | 49 |
| 15037 A | 31 | 22565 E | 75 | 22846 Q | 77 | K51688 | 65 |
| 15872 F | 29 | 22565 M | 33 | 22848 | 75 | K51689 | 65 |
| 21104 B | 75 | 22569 B | 25 | 22863 B | 27 | K51699 | 71 |
| 21114 A | 75 | 22569 H | 33 | 22874 F | 29 | 51930 | 63 |
| 21130 A | 75 | 22570 | 27, 29, 75 | | | 52130 D | 59 |
| 21201 | 75 | 22570 A | 27, 77 | 22878 | 77 | 52130 F | 59 |
| 21202 | 75 | 22571 F | 27 | 22884 | 29, 31 | 53678 N | 33 |
| 21203 | 75 | 22574 C | 29 | 22890 A | 29 | 56393 AA | 25 |
| 21204 | 75 | 22585 | 75 | 22894 C | 31, 59 | 61203 | 73 |
| 21205 A | 75 | 22585 A | 75, 77 | 22894 E | 27 | 61203 A | 73 |
| 21207 | 75 | 22585 C | 59 | 22894 F | 59 | 61203 B | 71 |
| 21208 | 75 | 22586 | 31 | 22894 J | 31 | 61203 C | 71 |
| 21208 A | 75 | 22597 E | 27 | 22894 R | 33 | 61203 D | 71 |
| 21227 BY | 77 | 22597 F | 77 | 22894 U | 29 | 61205 A | 37 |
| 21227 BZ | 77 | | | 22894 V | 29 | 61205 B | 39 |
| 21233 DC | 75 | 22644 K-64 | 27 | | | 61205 C | 35, 37 |
| 21236 | 75 | 22649 F | 75 | 23168 S | 67 | 61205 D | 35 |
| 21240 A | 59 | 22650 AE | 77 | 23278 K | 71 | 61205 E | 39 |
| 21240 B | 59 | 22650 CB | 75 | 23510 | 65 | 61205 CA | 37 |
| 21240 C | 59 | 22650 CE | 75 | 23510 A | 65 | 61210 B | 33 |
| 21240 D | 59 | 22651 CD | 75 | 29126 DD | 31 | 61212 | 33, 77 |
| 21240 E | 59 | 22653 D-6 | 31 | 29474 P | 33 | 61216 | 33 |
| 21240 F | 59 | 22711 | 75 | | | 61216 N | 33 |
| 21261 M | 75 | 22712 G | 29 | 29475 AR | 27 | 61220 | 47 |
| 21351 | 75 | 22712 N | 75 | 29475 AS | 27 | 61220 B | 57 |
| 21351 A | 75 | 22716 A | 31, 33, 75 | 29475 BC | 29 | 61220 C | 57 |
| 21388 AV | 77 | 22716 B | 33 | 29475 BH | 29 | 61220 D | 57 |
| 21390 BE | 45 | 22716 H | 33 | | | 61220 G | 53 |
| 21393 L | 77 | 22726 | 75 | 29480 CS | 45 | 61220 H | 55 |
| 21393 N | 77 | 22733 D | 27 | 29480 CY | 59 | 61220 J | 49 |
| 21393 R | 77 | 22735 | 75 | 29486 L | 29 | 61220 K | 47 |
| 21393 S | 77 | 22738 | 75 | 35730 C | 61 | 61220 L | 57 |
| 21629 | 25 | 22742 | 27 | 35730 D | 61 | 61220 M | 57 |
| 21657 E | 63 | 22743 | 33, 59 | 35857 R | 33 | 61220 N | 51 |
| 21661 N | 77 | 22757 D | 29 | 39198 D | 33, 59 | 61220 P | 49 |
| 21661 R | 77 | 22758 B | 29 | 51430 F | 63 | 61220 Q | 47 |
| 21663 D | 77 | 22760 A | 75 | K51606 | 73 | 61220 R | 53 |
| 21664 | 77 | 22765 | 59 | K51619 | 65 | 61220 S | 47 |
| 21665 E | 77 | 22766 | 27 | K51621 | 65 | 61220 T | 53 |
| 21665 J | 77 | 22768 | 31 | K51622 | 67 | 61220 V | 53 |
| 21745 E | 75 | 22768 A | 29 | K51623 | 73 | 61220 W | 47 |
| 22504 A | 27 | 22775 | 29, 75 | K51624 | 71 | 61220 AA | 57 |
| 22513 | 75 | 22775 A | 31 | K51625 | 73 | 61220 AB | 53 |
| 22516 | 27 | 22784 E | 29 | K51626 | 71 | 61220 AC | 51 |
| 22516 B | 33 | 22784 K | 25 | K51645 | 55 | 61224 B | 39 |
| 22528 | 27, 31, 75 | 22798 | 75 | K51649 | 67 | 61224 C | 35, 37 |
| 22539 P | 27 | 22799 B | 75 | K51650 | 67 | 61224 D | 43 |
| 22547 A | 75 | 22799 H | 75 | K51655 | 71 | 61224 E | 39 |
| 22551 | 75 | 22801 | 75 | K51659 | 73 | 61224 F | 35 |
| 22551 A | 75 | 22805 | 27 | K51666 | 71 | 61230 | 63 |
| 22560 G | 27 | 22815 | 27 | K51667 | 71 | 61230 A | 63 |
| 22561 | 75 | 22817 A | 29 | K51668 | 67 | 61230 B | 63 |
| 22562 | 27 | 22818 | 59, 75 | K51669 | 67 | 61230 C | 63 |
| 22562 B | 29 | 22819 | 33 | K51670 | 65 | 61230 F | 61 |
| 22564 | 25, 29 | 22825 | 75 | K51671 | 71 | 61230 J | 63 |
| 22564 B | 27, 45 | 22839 | 29 | K51672 | 67 | 61230 L | 61 |
| 22564 E | 33 | 22840 A | 75 | K51677 | 71 | 61230 M | 61 |
| 22564 F | 33 | 22845 B | 59 | K51681 | 65 | 61230 S | 63 |
| 22564 H | 31 | 22845 K | 31 | K51683 | 53 | 61230 U | 63 |

NUMERICAL INDEX OF PARTS

| Part No. | Page No. | Part No. | Page No. | Part No. | Page No. | Part No. | Page No. |
|---------------|----------|---------------|----------|----------------|----------|---------------|----------|
| 61230 V..... | 61 | 61320 AJ..... | 47 | 61377 Y..... | 77 | 61420 AF..... | 51 |
| 61230 W..... | 61 | 61320 AL..... | 49 | 61378..... | 77 | 61420 AG..... | 51 |
| 61230 X..... | 63 | 61320 AM..... | 55 | 61392 F-9..... | 27 | 61420 AH..... | 51 |
| 61230 AK..... | 63 | 61324..... | 41 | | | 61420 AJ..... | 51 |
| 61231..... | 63 | 61324 A..... | 37 | | | 61420 AK..... | 51 |
| 61231 A..... | 63 | 61324 B..... | 43 | 61405 C..... | 35 | 61420 AM..... | 51 |
| | | 61324 C..... | 37 | 61405 G..... | 37 | 61420 AN..... | 47 |
| 61236..... | 31 | 61324 D..... | 37 | 61405 H..... | 39 | 61420 AP..... | 47 |
| 61236 G..... | 31 | 61324 E..... | 43 | 61405 J..... | 35 | 61420 AR..... | 47 |
| 61255..... | 29 | 61324 F..... | 43 | 61405 K..... | 39 | 61420 AS..... | 47 |
| 61256 G..... | 29 | 61324 J..... | 35 | 61405 L..... | 41, 43 | 61420 AT..... | 47 |
| 61257 G..... | 59 | 61324 L..... | 35 | 61405 M..... | 39 | 61420 AU..... | 55 |
| 61273..... | 27 | 61324 N..... | 41 | 61405 N..... | 37 | 61420 AV..... | 49 |
| 61292 C..... | 27 | 61324 Q..... | 35 | 61405 R..... | 41 | 61420 AW..... | 49 |
| 61293 N..... | 25 | 61324 R..... | 37 | 61405 S..... | 37 | 61420 AX..... | 49 |
| 61303..... | 71 | 61324 U..... | 39 | 61405 T..... | 43 | 61420 AY..... | 49 |
| 61303 A..... | 71 | 61330..... | 63 | 61405 U..... | 43 | 61420 AZ..... | 49 |
| 61303 B..... | 71 | 61330 B..... | 45, 63 | 61405 X..... | 39 | 61420 BB..... | 53 |
| 61303 C..... | 71 | 61330 C..... | 61 | 61405 Y..... | 35 | 61420 BC..... | 55 |
| 61303 D..... | 63 | 61330 E..... | 63 | 61405 Z..... | 39 | 61420 BD..... | 55 |
| 61303 E..... | 73 | 61330 F..... | 63 | 61405 AA..... | 43 | 61420 BE..... | 55 |
| 61305..... | 41 | 61330 L..... | 61 | 61405 AB..... | 43 | 61420 BG..... | 53 |
| 61305 A..... | 37 | 61330 M..... | 61 | 61405 AC..... | 45 | 61420 BH..... | 51 |
| 61305 B..... | 43 | 61330 N..... | 63 | 61405 AD..... | 45 | 61420 BJ..... | 49 |
| 61305 C..... | 37 | 61330 P..... | 63 | 61405 AE..... | 43 | 61420 BK..... | 49 |
| 61305 D..... | 37 | 61330 Q..... | 63 | 61405 AH..... | 41 | 61420 BN..... | 55 |
| 61305 E..... | 43 | 61330 R..... | 61 | 61405 AN..... | 39 | 61420 BR..... | 47 |
| 61305 F..... | 37 | 61330 T..... | 61 | 61411 A..... | 33 | 61420 BT..... | 47 |
| 61305 G..... | 43 | 61330 V..... | 61 | 61413 E..... | 33 | 61420 BU..... | 49 |
| 61305 K..... | 35 | 61330 W..... | 61 | 61413 F..... | 33 | 61420 BV..... | 49 |
| 61305 M..... | 35 | 61330 Y..... | 61 | 61413 G..... | 33 | 61420 BW..... | 45 |
| 61305 N..... | 41 | 61330 Z..... | 61 | 61414 A..... | 27 | 61420 BY..... | 49 |
| 61305 Q..... | 35 | 61330 AB..... | 61 | 61414 C..... | 33 | 61420 CL..... | 53 |
| 61305 S..... | 35 | 61330 AC..... | 63 | 61415..... | 33 | 61420 CM..... | 47 |
| 61305 T..... | 37 | 61330 AD..... | 61 | 61415 A..... | 33 | 61421 B..... | 29 |
| 61305 U..... | 39 | 61330 AE..... | 61 | 61417 E..... | 29 | 61421 C..... | 29 |
| 61320..... | 55 | 61330 AF..... | 61 | 61420..... | 47 | 61421 D..... | 29 |
| | | 61330 AG..... | 61 | 61420 A..... | 47 | 61421 E..... | 29 |
| 61320 C..... | 55 | 61330 AH..... | 63 | 61420 B..... | 47 | 61421 F..... | 29 |
| 61320 E..... | 51 | 61330 AJ..... | 61 | 61420 C..... | 49 | 61421 G..... | 29 |
| 61320 F..... | 51 | 61330 AK..... | 63 | 61420 E..... | 51 | 61424 C..... | 35 |
| 61320 K..... | 53 | 61330 AL..... | 61 | 61420 F..... | 53 | 61424 G..... | 37 |
| 61320 L..... | 55 | 61330 AM..... | 61 | 61420 H..... | 55 | 61424 H..... | 39 |
| 61320 M..... | 53 | 61330 AN..... | 61 | 61420 J..... | 53 | 61424 J..... | 35 |
| 61320 N..... | 51 | 61330 AP..... | 63 | 61420 K..... | 51 | | |
| 61320 P..... | 53 | 61330 AR..... | 61 | 61420 L..... | 51 | 61424 L..... | 41 |
| 61320 Q..... | 49 | 61330 AS..... | 61 | 61420 M..... | 55 | 61424 M..... | 39 |
| 61320 R..... | 49 | 61330 AU..... | 61 | 61420 N..... | 55 | 61424 N..... | 37 |
| 61320 S..... | 49 | 61330 AV..... | 63 | 61420 P..... | 53 | 61424 R..... | 41 |
| 61320 U..... | 51 | 61330 AW..... | 61 | 61420 R..... | 53 | 61424 S..... | 37 |
| 61320 V..... | 51 | 61330 AX..... | 61 | 61420 S..... | 53 | 61424 T..... | 43 |
| 61320 X..... | 53 | 61336 U..... | 31 | 61420 T..... | 55 | 61424 U..... | 43 |
| 61320 AA..... | 49 | 61336 Y..... | 31 | 61420 U..... | 53 | 61424 X..... | 39 |
| 61320 AB..... | 51 | 61351 C..... | 29, 33 | 61420 V..... | 53 | 61424 Y..... | 35 |
| 61320 AC..... | 53 | 61356..... | 29 | 61420 W..... | 57 | 61424 Z..... | 43 |
| 61320 AD..... | 49 | 61360 G..... | 31 | 61420 X..... | 57 | 61424 AA..... | 43 |
| 61320 AE..... | 51 | 61375..... | 77 | 61420 Y..... | 57 | 61424 AB..... | 43 |
| 61320 AF..... | 49 | | | 61420 Z..... | 57 | 61424 AC..... | 45 |
| 61320 AG..... | 47 | | | 61420 AC..... | 57 | 61424 AD..... | 45 |
| 61320 AH..... | 47 | | | 61420 AD..... | 51 | 61424 AE..... | 43 |
| | | | | 61420 AE..... | 55 | 61424 AH..... | 41 |

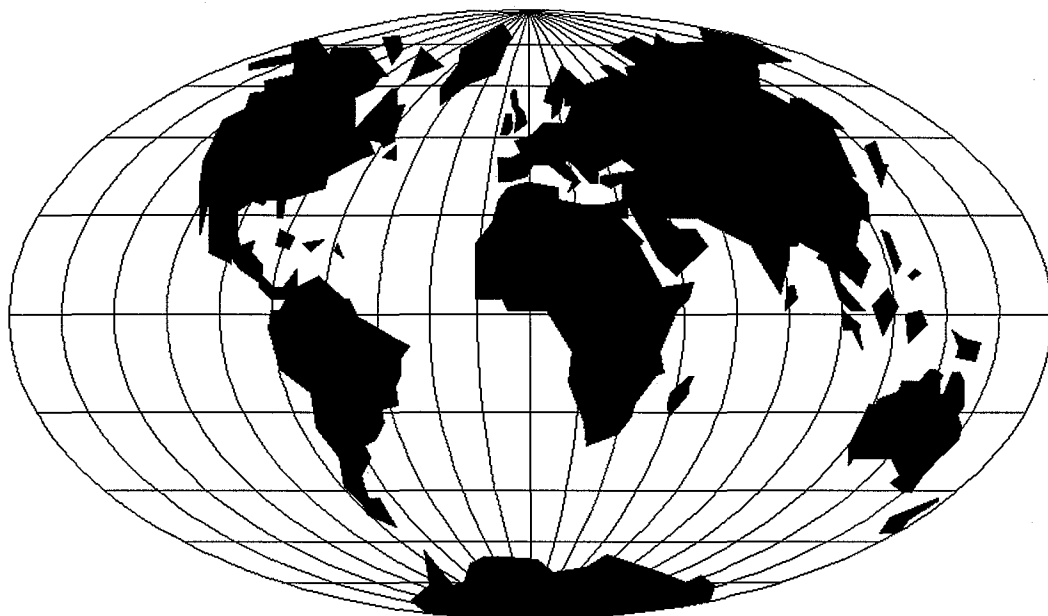
NUMERICAL INDEX OF PARTS

| Part No. | Page No. | Part No. | Page No. | Part No. | Page No. | Part No. | Page No. |
|----------|----------|----------|----------|----------|----------|----------|----------|
| 61424 AM | 39 | 61444 | 33 | 61492 G | 27 | 63452 A | 29 |
| 61430 A | 63 | 61449 B | 31 | 61492 H | 27 | 63453 | 27 |
| 61430 B | 63 | 61449 S | 31 | 61493 A | 25 | 63453 C | 29 |
| 61430 C | 61 | 61449 T | 27 | 61493 C | 25 | 63455 | 29 |
| 61430 M | 63 | 61449 U | 27 | 61494 D | 25 | 63457 B | 59 |
| 61430 N | 63 | 61449 V | 27 | 61494 E | 25 | 63457 C | 59 |
| 61430 P | 63 | 61449 X | 27 | 61494 F | 25 | 63457 D | 59 |
| 61430 S | 61 | 61449 Y | 27 | 61494 H | 25 | 63457 E | 59 |
| 61430 T | 61 | 61451 | 29 | 61494 K | 25 | 63457 F | 59 |
| 61430 Y | 61 | 61451 A | 29 | 61494 L | 25 | 63457 G | 59 |
| 61430 AA | 63 | 61451 B | 29 | 61494 N | 25 | 63457 J | 29 |
| 61430 AB | 61 | 61451 D | 29 | 61494 R | 27 | 63457 R | 29 |
| 61430 AC | 61 | 61454 A | 29 | 61496 C | 33 | 63466 | 29 |
| 61430 AD | 45 | 61454 B | 29 | 61496 D | 33 | 63470 | 27 |
| 61430 AE | 45 | 61454 C | 25 | 61496 E | 33 | 63470 A | 27 |
| 61430 AF | 45 | 61455 | 29 | 61496 F | 33 | 63470 B | 27 |
| 61430 AG | 45 | 61457 B | 29 | 61496 G | 33 | 63471 | 45 |
| 61430 AH | 45 | 61457 K | 25 | 61496 J | 33 | 63471 A | 45 |
| 61430 AJ | 45 | 61458 G | 29 | 61496 K | 33 | 63474 A | 77 |
| 61430 AK | 45 | 61458 FA | 29 | 61496 L | 33 | 63476 | 77 |
| 61430 AL | 45 | 61459 C | 29 | 61496 M | 33 | 63476 A | 77 |
| 61430 AN | 45 | 61460 | 29 | 61496 N | 33 | 63476 B | 77 |
| 61430 AP | 45 | 61460 A | 31 | 61496 P | 25, 33 | 63476 C | 77 |
| 61430 AS | 61 | 61460 B | 29 | 61496 S | 25 | 63482 A | 27 |
| 61430 AT | 63 | 61467 | 29 | 61496 V | 33 | 63492 | 27 |
| 61430 BB | 63 | 61468 B | 29 | 63402 B | 27 | 63493 | 25 |
| 61430 CA | 45 | 61468 D | 29 | 63407 | 33 | 63493 H | 25 |
| 61430 CB | 45 | 61468 E | 29 | 63407 A | 33 | 63493 J | 25, 29 |
| 61432 B | 25 | 61468 F | 29 | 63408 | 33 | 63494 | 25 |
| 61432 C | 25 | 61470 C | 27 | 63414 | 33 | 63494 A | 27 |
| 61432 E | 25 | 61470 D | 27, 77 | 63420 D | 45 | 63494 B | 27 |
| 61432 H | 31 | 61471 A | 27 | 63430 C | 59 | 63494 C | 25 |
| 61432 J | 31 | 61471 B | 27 | 63430 D | 59 | 63494 D | 25 |
| 61434 G | 31 | 61471 D | 25 | 63432 | 33 | 63494 K | 25, 27 |
| 61437 A | 31 | 61471 F | 25 | 63432 E | 25 | 63494 N | 25 |
| 61437 B | 31 | 61477 M | 77 | 63433 A | 31 | 63496 B | 33 |
| 61437 L | 31 | 61482 G | 27 | 63434 C | 31 | K67092 | 59 |
| 61437 M | 31 | 61482 H | 27 | 63435 A | 31 | K67093 | 59 |
| 61437 N | 31 | 61482 J | 27 | 63439 A | 31 | K67096 | 59 |
| 61438 B | 31 | 61490 B | 25 | 63439 AL | 31 | 79077 | 25 |
| 61440 | 33 | 61490 D | 25 | 63443 | 31 | 92201 | 77 |
| 61441 | 25 | 61492 E | 27 | 63445 | 75 | | |
| 61441 A | 25 | 61492 F | 27 | 63451 | 27 | | |









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