



## **STYLES**

39500RB 39500RC-045 39500RC-060

# MARK IV HIGH SPEED TWO NEEDLE DIFFERENTIAL FEED TOE CLOSING MACHINES

CATALOG NO. 103RB

> **FIRST EDITION**

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#### IDENTIFICATION OF MACHINES

Each UNION SPECIAL machine is identified by a Style number on a 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 39500 RB". 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 39500 RBZ".

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 39500".

#### APPLICATION OF CATALOG

This catalog is a supplement to Catalog No. 103 QA and should be used in conjunction therewith. Only those parts used on Styles 39500 RB, RC-045 and RC-060, but not on Style 39500 QA are illustrated and listed at the back of this catalog. On the page opposite the illustration will be found a listing of the parts with their part numbers, description and the number of pieces required. Numbers in the first column are reference numbers only, and merely indicate the position of that part in the illustration. Reference numbers should never be used in ordering parts. Always use the part number listed in the second column.

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 Class 39500. References to directions, such as right, left, front, back, etc., are given from the operator's position while seated at the machine. Operating direction of handwheel is away from operator.

#### STYLES OF MACHINES

MARK IV Hi-Styled High Speed, Two Curved Blade Needles, One Looper, One Spreader, Three Thread Overseaming Machines. Differential Feed, Trimming Mechanism with Spring Pressed Lower Knife, Automatic Lubricating System. Improved Air Cooling System.

- 39500 RB Light to medium duty machine for closing the toe sections of women's seamless nylon hosiery. Seam specification 521-SSa-1; standard seam widths approximately 1/8 and 5/32 inch (3.17 and 3.97 mm) from left needle; stitch range, 20 40 per inch; cam adjusted main and differential feeds. Maximum recommended speed 8000 R.P.M.
- 39500 RC-045 Light to medium duty machine for closing the toe sections of men's hosiery and socks. Seam specification 521-SSa-1; standard seam width approximately 3/16 inch (4.76 mm) from left needle; stitch range, 20 30 per inch; cam adjusted main and differential feeds. Maximum recommended speed 8000 R.P.M.
- 39500 RC-060 Light to medium duty machine for closing the toe sections of men's hosiery and socks. Seam specification 521-SSa-1; standard seam width approximately 7/32 inch (5.56 mm) from left needle; stitch range, 20 30 per inch; cam adjusted main and differential feeds. Maximum recommended speed 8000 R.P.M.

#### SPEED RECOMMENDATION

39500 MARK IV machines have been tested in their complete stitch range at their maximum rated speeds. Varied field conditions, severity and cleanliness of the sewing operation may necessitate operating at a lower speed. When operating from 50-100% machine running cycle and a longer than recommended stitch length, it may be necessary to reduce the machine's speed by 10-15%.

The MARK IV is a precision manufactured and tested sewing machine. To obtain maximum performance, the machine should be operated at 1000 R.P.M. below maximum recommended speed for the first 20 days of field operation. This will minimize readjustment of precision mechanisms.

#### OILING

CAUTION! Oil was drained from machine when shipped, so reservoir must be filled before beginning to operate. Oil capacity of Class 39500 is eight ounces. A straight mineral oil of a Saybolt viscosity of 90 to 125 seconds at 100° Fahrenheit should be used.

Machine is filled with oil at spring cap in top cover. Oil level is checked at sight gauge on front of machine. Red bulb on oil level indicator should show between gauge lines when machine is stationary.

Machine is automatically lubricated. No oiling is necessary, other than keeping main reservoir filled. Check oil daily before the morning start; add oil as required.

To maintain maximum recommended speed and serviceability of this equipment when operating continously, the oil must be changed at least every six months. In no case should oil remain in machine for more than one year.

The oil drainplug screw is located at back of machine near bottom edge of base. It is a magnetic screw designed to accumulate possible foreign materials which may have entered the crank case. It should be removed and cleaned periodically.

#### 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 blade, measured midway between shank and eye. Collectively, type and size number represent the complete symbol which is given on the label of all needles packaged and sold by Union Special.

Class 39500 machines use a curved blade needle. The standard recommended needle for Styles 39500 RB and RC-045 is Type 154 GFS. For Style 39500 RC-060 the standard recommended needle is Type 154 GDS. Below is the description and sizes available of the recommended needles.

Type No.	Description and Sizes
154 GFS	Slabbed shank, round point, .046 inch (1.17 mm) double slab, curved blade, standard length, single groove, struck groove, ball point, spotted, chromium plated and is available in sizes 065/025, 070/027, 075/029, 080/032, 040.
154 GDS	Slabbed shank, round point, .060 inch (1.52 mm) double slab, curved blade, standard length, double groove, struck groove, spotted, chromium plated and is available in sizes 070/027, 075/029, 080/032, 090/036.

#### 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 154 GFS, Size 065/025".

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

#### CHANGING NEEDLES

Release pressure on presser foot by turning presser foot release bushing (AG, Fig. 1, 1A or 1B) and swing presser arm (U) out of position. Turn handwheel in operating direction until needles are at their lowest point of travel. Using hexagonal socket wrench No. 21388 AU, furnished with machine, loosen needle clamp nut about 1/4 turn. Again turn handwheel until needles are at high position. Withdraw needles.

To replace needles, leave needle holder at high position and with the flats to the left, insert needles in holder until they rest against stop pin. Keeping needles in this position, turn handwheel until holder is again at its low point of travel; then tighten nut. Return presser arm (U) to position; re-lock presser foot release bushing (AG).

#### THREAD STAND (STYLE 39500 RB)

After thread comes from cones on cone support (A, Fig. 1) it is brought up through the back hole of thread eyelet (B), then continues between tension disc felts (L), through tension post slot (K) of tension post (G), and down through front hole of thread eyelet. Now all threads are threaded through the lower holes of tension thread guide (C) from back to front.

All threads then continue between the tension discs (J), through tension post slot (K) in tension post (G) and on through front thread guide (M).

#### THREAD STAND (STYLE 39500 RC-045)

After thread comes from cones on cone support (A, Fig. 1A) it is brought up through the back hole of thread eyelet (B), then down through the front hole of thread eyelet.

Now, the upper looper thread and the left needle threads are threaded through the upper holes (left and middle respectively) of tension thread guide (C, Fig. 1A) from front to back. Then through the lower holes from back to front. The right needle thread is threaded through the tension thread guide (C), first through the upper hole back to front, second through the middle hole front to back and third through the lower hole back to front.

All threads then continue between the tension discs (J), through tension post slot (K) in tension post (G) and on through front thread guide (M).

#### THREAD STAND (STYLE 39500 RC-060)

After thread comes from cones on cone support (A, Fig. 1B) it is brought up through the back hole of thread eyelet (B), then down through the front hole of thread eyelet.

Now, the left and right needle threads are threaded through the upper holes (left and middle respectively) of tension thread guide (C, Fig. 1B) from front to back. Then through the lower holes from back to front.

The lower looper thread is threaded through the tension thread guide (C), first through the upper hole back to front, second through the middle hole front to back, and third through the lower hole back to front.

All threads then continue between the tension discs (J), through tension post slot (K) in tension post (G) and on through front thread guide (M).

#### THREADING

Only parts involved in threading are shown in threading diagrams (Fig. 1, 1A and 1B). Parts are placed in their relative positions for clarity. Refer to Fig. 1 for threading of Style 39500 RB, Fig. 1A for threading of Style 39500 RC-045 and Fig. 1B for threading of Style 39500 RC-060.

It will simplify the threading of these machines to follow the recommended sequence of threading the upper looper or lower looper first, the right needle second and the left needle third. Complete the full threading of one before proceeding to the next one.

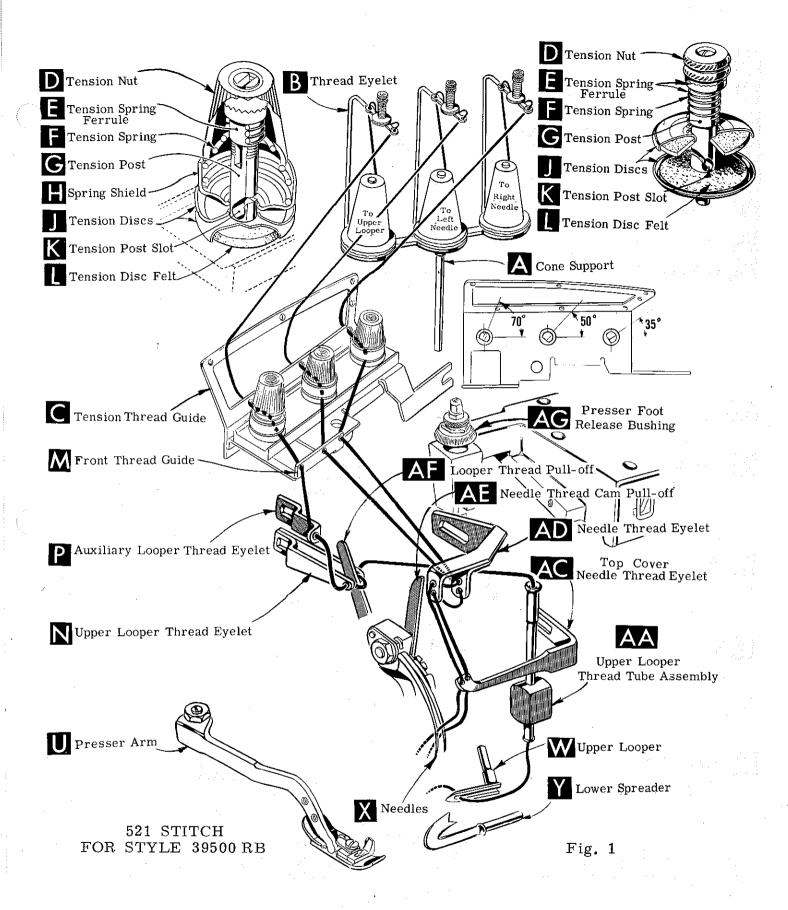
Before beginning to thread, swing cloth plate open, turn handwheel in operating direction until needles (X) are in high position. Release pressure on presser foot by turning presser foot release bushing (AG), and swing presser arm (U) out of position.

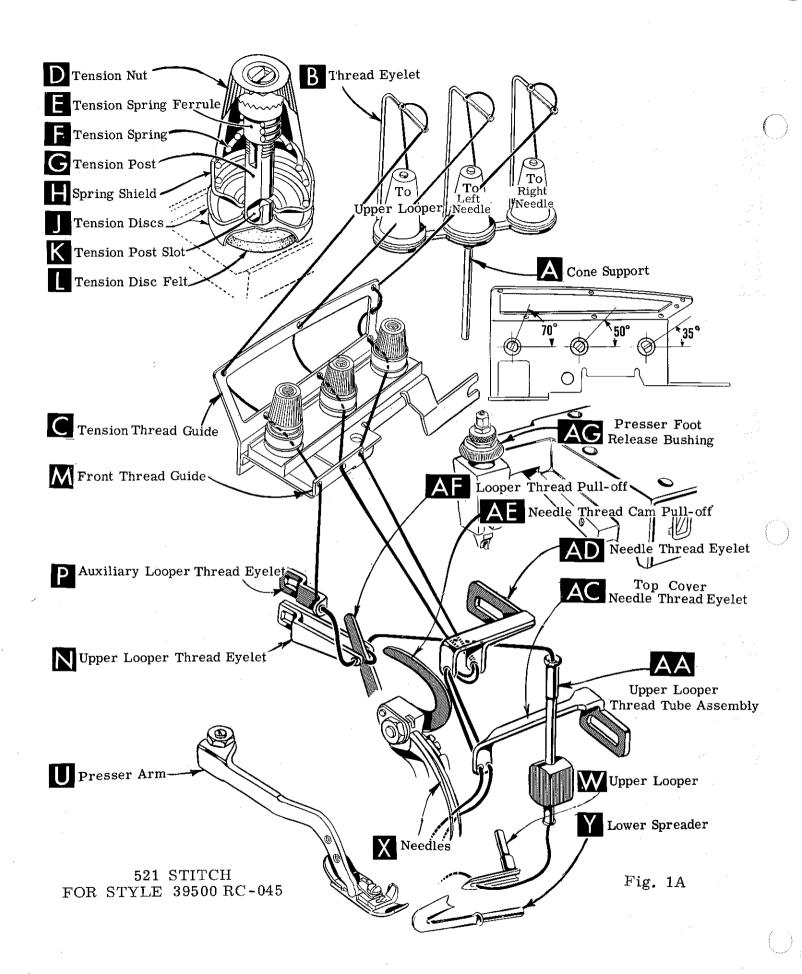
Be sure the threads, as they come from the tension thread guide (C) are between tension discs (J) and in tension post slot (K) in tension post (G). The tension posts should be positioned so the tension post slot will be at the approximate angle for the different threads as indicated in Fig. 1, 1A or 1B.

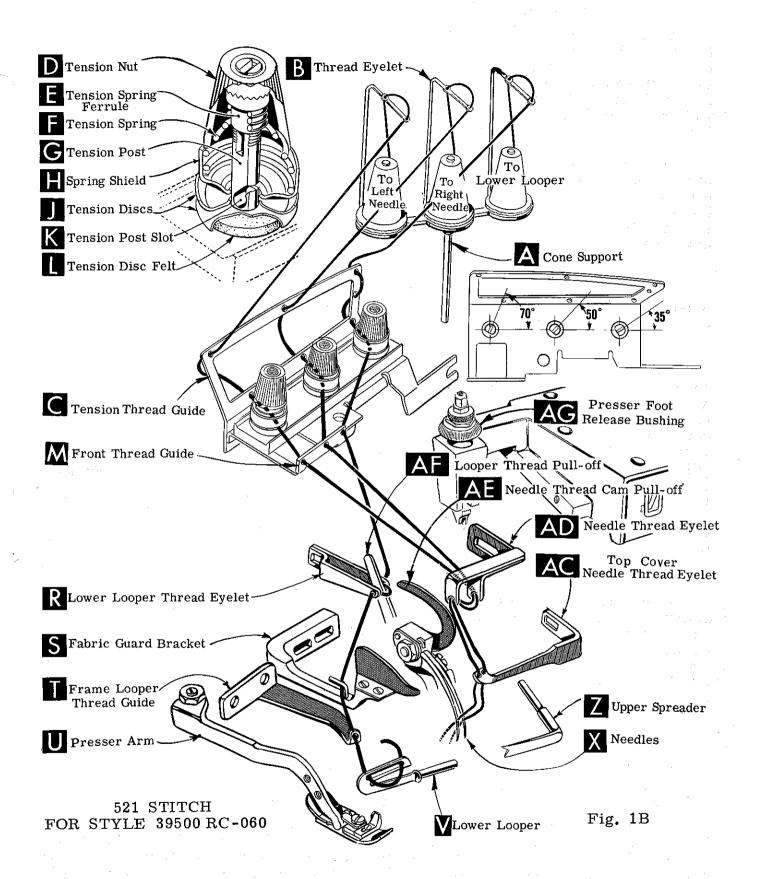
#### TO THREAD UPPER LOOPER (STYLES 39500 RB and RC-045)

Turn handwheel until point of upper looper (W, Fig. 1 and 1A) is all the way left. Lead thread through auxiliary looper thread eyelet (P) from back to front, then through both eyes of upper looper thread eyelet (N) from left to right. NOTE: Thread must pass in front of looper thread pull-off (AF). After pulling up upper looper thread tube assembly (AA), lead the thread under neck of top cover casting and down through thread tube assembly (AA). This is easily accomplished by using the forked end of the threading wire, supplied with each machine. Pull thread out bottom of tube using hooked end of tweezers, also supplied with each machine. Push tube down, and then insert thread through upper looper eye from front to back.

CAUTION! Be sure upper looper thread is under the needle threads when passing from tube assembly to upper looper eye.







## TO THREAD LOWER LOOPER (STYLE 39500 RC-060)

Double end of thread and lead it through both eyes of lower looper thread eyelet (R, Fig. 1B) from right to left. NOTE: Thread must pass in front of looper thread pull-off (AF). Lead thread behind fabric guard (S) and through eyelet hole of frame looper thread guide (T). Turn handwheel in operating direction until heel of lower looper (V) is all the way to the left; then thread through both eyes from left to right. Left eye of lower looper can be threaded easily if tweezers are in left hand.

## TO THREAD NEEDLES

Turn handwheel in operating direction until needles (X, Fig. 1, 1A or 1B) are at their highest position. Insert both needle threads from right to left, through BOTH eyes of needle thread eyelet (AD), under neck of top cover casting and down through holes in top cover needle thread eyelet (AC). The right needle thread should be threaded in the right hole and the left needle thread through the left hole of the top cover needle thread eyelet. Thread needles from the front.

## THREAD TENSION

The amount of tension on the needle and looper threads is regulated by knurled tension nuts (D, Fig. 1, 1A or 1B). Tension on threads should be only enough to secure proper stitch formation.

### PRESSER FOOT PRESSURE

Sufficient presser foot pressure to feed work uniformly should be maintained. Should it be necessary to increase or decrease amount of pressure on presser foot, loosen lock nut (A, Fig. 2) and turn adjusting screw (B). Adjusting screw has a right hand thread, so tightening increases pressure, loosening decreases pressure. When pressure adjusting screw (B) has been properly set, tighten lock nut (A). With presser foot resting on throat plate, position locking nut (C) so that its under surface is approximately 1/32 inch to 1/16 inch (.79 to 1.59 mm) from the top surface of adjusting screw (B). Set cap (D) against locking nut (C).

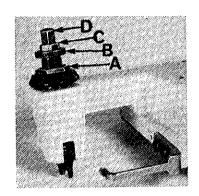


Fig. 2

#### FEED ECCENTRICS

Feed eccentrics used in Styles 39500 RB and 39500 RC machines have been selected to produce approximately 20 stitches per inch. It will be noted that the part number of the main feed eccentric is No. 39540 B-20, while that of the differential feed eccentric is No. 39540 B-18. Minor numbers of the part symbol indicate approximately the number of stitches obtainable when using that eccentric. Unless otherwise specified, the machines will be shipped with above combination of eccentrics.

Generally speaking, differential (right hand) feed eccentric determines number of stitches produced; main (left hand) feed eccentric is selected in relation to degree and direction of stretch of material being sewn, or type of operation.

Following stitch number feed eccentrics are available under No. 39540 B-4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 18, 20, 22, 24, 26, 28, 30, 32, 34, 36, 40, 50, 60, 70, 100. Only two eccentrics are supplied with each machine. Additional eccentrics may be ordered separately. To order an eccentric use No. 39540 B with a minor number suffixed to indicate number of stitches desired. Example: "39540 B-100".

## ASSEMBLING AND ADJUSTING SEWING PARTS

Before assembling and adjusting sewing parts, remove cloth plate, fabric guard, chip guard, upper knife assembly, lower knife holder assembly. Then, follow this suggested sequence:

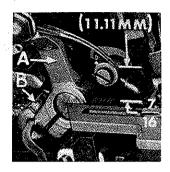


Fig. 3

## SETTING THE NEEDLE

With throat plate assembled in position needles should center in the front end of needle slot. When needles are at high position, the needle points should be set 7/16 inch (11.11 mm) above the throat plate (Fig. 3) for Style 39500 RB. For Styles 39500 RC-045 and RC-060 the needle points should be set 15/32 inch (11.91 mm) above the throat plate. To align needles or set the height above throat plate, move needle driving arm (A, Fig. 3) by loosening clamp screw (B). After needles have been set properly, tighten screw (B) and remove throat plate.

plate.

At this point, insert lower spreader (A, Fig. 4) or lower looper (depending on the Style of machine) into bar (B). With the lower spreader or lower looper at the left end of its stroke, set the spreader point or looper point 1/8 inch (3.17 mm) to the left of left needle centerline using looper gauge No. 21225 G-1/8. Do not have lower spreader or lower looper deflecting the needles. Tighten nut (C).

Now assemble differential (front) feed dog.

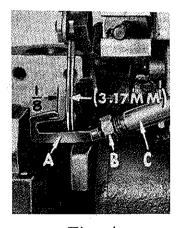


Fig. 4

#### SETTING THE REAR NEEDLE GUARD

Set rear needle guard (A, Fig. 5) as high as possible, without interfering with either lower spreader or lower looper, or movement of lower knife holder, but still in position to deflect needles forward .002 to .004 inch (.051 to .102 mm). Screw (B) is used to set the rear needle guard. Make sure there is no interference between the rear needle guard and lower spreader or lower looper.

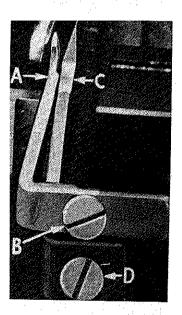


Fig. 5

#### SETTING THE LOWER SPREADER AND LOWER LOOPER

Now, finish lower spreader or lower looper adjustment. As spreader or looper moves to the right, its point should be set into the needle scarfs (A, Fig. 6) until needles spring forward from rear needle guard surface another .002 to .004 inch (.051 to .102 mm).

#### SETTING THE FRONT NEEDLE GUARD

Assemble front needle guard (C, Fig. 5). When lower spreader or lower looper is springing needles off rear guard, set the front needle guard

as close as possible to needles without touching. Screw (D) is used to adjust and set front needle guard. After this setting, make sure there is no interference between the needle guards and differential feed dog.

#### SETTING THE UPPER LOOPER (STYLES 39500 RB and RC-045)

Insert upper looper (A, Fig. 7) in its holder. Screw (B) holds upper looper in its holder and permits it to be pushed in or out, or turned around its shank. Insert upper looper holder into upper looper shaft (if not already in place). Screw (C) on the clamp holds the upper looper holder in the shaft. Locate upper looper in its holder so that the shank extends 1/64 to 1/32 inch (.40 to .79 mm) beyond holder (Fig. 7).

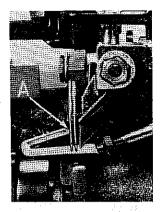


Fig. 6

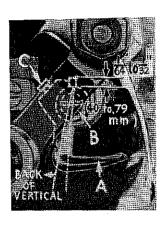


Fig. 7

When the upper looper is at the right end of its stroke, upper looper holder should be set to position upper looper shank slightly back of vertical. At cross-over allow .002 to .004 inch (.051 to .102 mm) clearance between upper looper point and lower spreader.

Next, turn the handwheel until looper is at the left end of its travel. Check the dimensions of the upper looper point with respect to needle and throat plate (Fig. 8) and the following dimensions; distance from centerline of left needle to point of looper should be approximately 5/32 inch (3.97 mm) and distance from throat plate to point of looper should be approximately 7/16 inch (11.11 mm) on Style 39500 RB machine (Fig. 8).

NOTE: For Style 39500 RC-045 the dimensional setting of the upper looper point with respect to the center of the left is also 5/32 inch (3.97 mm), but the setting of the upper looper point with respect to the throat plate is approximately 15/32 inch (11.91 mm). If resetting is necessary, do so by moving the upper looper holder (A, Fig. 8). Figure 8 represents the dimensional setting for Style 39500 RB.

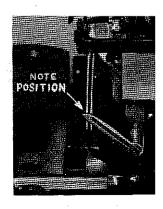


Fig. 9

When the correct setting is obtained, it can be checked quickly as follows: As upper looper is moving to the right, when upper looper eye centers on the right needle, the eyes of the upper looper and right needle should align (Fig. 9).

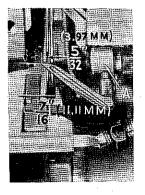


Fig. 8

Check setting to avoid interference between upper looper and needles on needle down stroke. If needles rub the back of upper looper, pull looper out of its holder slightly and rotate a short distance counterclockwise, looking from left end of machine. Reset to maintain dimensions suggested above and in Figs. 8 and 9.

## SETTING THE UPPER SPREADER (STYLE 39500 RC-060)



Fig. 7A

Insert upper spreader (A, Fig. 7A) in its holder. Screw (B) holds upper spreader in its holder and permits it to be pushed in or out, or turned around its shank. Insert upper spreader holder into upper spreader shaft (if not already in place). Screw (C) on the clamp holds the upper spreader holder in the shaft. Locate upper spreader in its holder so that the shank extends 1/32 to 1/16 inch (.79 to 1.59 mm) beyond holder (Fig. 7A).

When the upper spreader is at the right end of its stroke, upper spreader holder should be set to position upper spreader shank slightly back of vertical. At cross-over allow .002 to .004 inch (.051 to .102 mm) clearance between upper spreader point and lower looper.

Next, turn the handwheel until upper spreader is at the left end of its travel. Check dimensions of the lower point of the spreader with respect to needle and throat plate (Fig. 8A) and the following dimensions; distance from centerline of left needle to lower point of spreader should be approximately 9/64 inch (3.57 mm) and the distance from throat plate to lower point of spreader should be approximately 15/32 inch (11.91 mm).

Check setting to avoid interference between upper spreader and needles on needle down stroke. If needles rub the back of upper spreader, pull spreader out of its holder slightly and rotate holder a short distance counterclockwise, looking from left end of machine. Reset to maintain dimensions suggested above and in Fig. 8A.

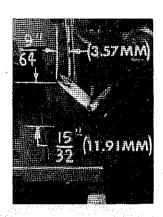


Fig. 8A

#### SETTING THE FEED DOGS

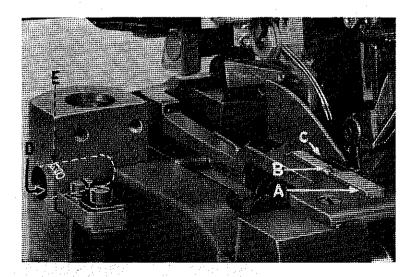


Fig. 10

Assemble and set the differential feed dog (A, Fig. 10) and main feed dog (B) so that top surfaces of the feeding surfaces all lay in the same plane. This can be checked by sighting across feeding surface with a straight edge. Feed surfaces should now be leveled with the throat plate surface by rotating feed tilting adjusting pin (D). This pin raises or lowers the back end of both feed bars at the same time.

The feeding surfaces should be set level at the time the feeding surface first appears above the throat plate. Screw (E) locks feed tilting adjusting pin (D) in place. Now set feeding surfaces

so they rise about 3/64 inch (1.19 mm) above the throat plate.

NOTE: On Styles 39500 RC-045 and RC-060, assemble and set chaining feed dog (C, Fig. 10) level with the top of throat plate when other feed dogs are at the top of their travel.

#### SETTING THE LOWER KNIFE

Replace lower knife holder assembly. Lower knife (A, Fig. 11) should be set with cutting edge flush with throat plate surface. Adjustments are made with hexagonal head screw (K) which holds lower knife. Lower knife is spring pressed against upper knife, so no lateral adjustment is necessary when width of trim is changed.

Lower knife may be secured in any position by tightening screw (B) and locking nut (C) against support bracket. Because screw (B) also serves as latch pin for the cloth plate latch spring, it should always be locked with nut (C) even when screw is not tightened against lower knife holder.

#### SETTING THE UPPER KNIFE

Replace upper knife assembly. Clamp upper knife (D, Fig. 11) in position, setting nut (E) to hold clamp (F) in its most clockwise position against upper knife.

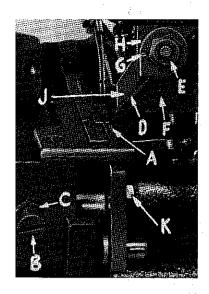


Fig. 11

At bottom of its stroke, front cutting edge of upper knife should extend not less than 1/64 inch (.40 mm) below cutting edge of lower knife. The chain guard (J) should be set down against the upper knife and slightly back from the cutting edge.

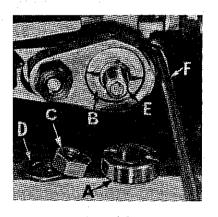


Fig. 12

After upper knife has been set for proper width of trim, screw (G) should be tightened to lock upper knife holding block (H) in place. This will simplify resetting when upper knife is replaced.

#### SETTING THE STITCH LENGTH

Length of stitch is determined by the combination of feed eccentrics used. Outer (left) eccentric (A, Fig. 12) actuates main (rear) feed dog; while the inner (right) eccentric (B) actuates the differential (front) feed dog.

In assembling feed eccentrics, be sure hubs are facing each other. Be careful not to damage shaft or key. Tighten nut (C) securely.

To change feed eccentrics, remove nut (C) and washer (D) from end of shaft (E). Turn hand-wheel in operating direction until key slot in eccentric is toward the front. Using hooked eccentric extractor (F), supplied with machine, reach behind eccentrics as shown and withdraw eccentrics. It may be necessary to move hand-wheel back and forth slightly during extraction.

If eccentrics are unusually tight fitting, in addition to removing nut (C) and washer (D, Fig. 13) from shaft (E), it may be helpful to remove nut (G) and feed driving connection (H). Then continue as originally suggested.

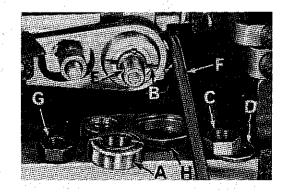


Fig. 13

#### SETTING THE PRESSER FOOT

Assemble the presser foot to presser arm. With needle in high position, swing presser arm into sewing position and set the presser foot to align needle holes

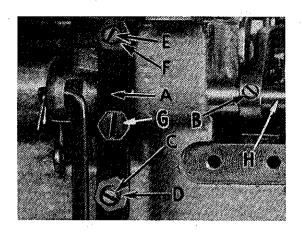


Fig. 14

(front and back) and flat on throat plate. The front edge of needle hole in presser foot must be aligned with front edge of needle hole in throat plate. It is also important that the bottom of the presser foot be flat on the throat plate. If necessary, presser foot can be realigned with throat plate slots by shifting the foot lifter lever shaft (H, Fig. 14). To move the shaft, loosen collar screws (B, Fig. 14) and clamp screw (G) and then shift the foot lifter lever shaft to the left or right as required. Re-tighten collar screws and clamp screw.

The foot lifter lever arm (A, Fig. 14) and the collar (B) secure the shaft. Be sure the presser arm does not bind and rise when

presser foot release bushing is unlocked.

Adjust lifter lever stop screw (C) so that presser foot can be raised no higher than upper looper or upper spreader will permit; then lock the nut (D). There should be from 1/16 to 1/8 inch (1.59 to 3.17 mm) free motion of foot lifter lever before the presser foot begins to rise. This adjustment should be made with screw (E) and locked with nut (F). Re-assemble the chip guard, fabric guard and cloth plate. To assemble chip guard, turn handwheel until upper knife assembly reaches its highest position.

#### CLOTH PLATE REMOVAL AND ASSEMBLY

CAUTION: When removing the cloth plate (A, Fig. 15) loosen the cloth plate stud locking screw (B) and lift up cloth plate with the cloth plate stud (C) and cloth plate screw (D), assembled.

In assembly, the cloth plate screw and the cloth plate stud are tightened to the point of removing all play and yet turn in cloth plate. The cloth plate is then assembled to the

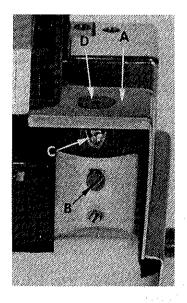


Fig. 15

machine with the flat and "V" slot of the cloth plate stud (C) towards the rear. Stud locking screw (B) is tightened securely which collapses the body of the stud to the screw (D) so that only the cloth plate will turn when opening or closing.

#### STARTING TO OPERATE

Be sure machine is threaded according to the diagram for your style of machine (Fig. 1, 1A or 1B). With thread tensions light, set upper looper thread eyelet (N, Figs. 1 and 1A) or lower looper thread eyelet (R, Fig. 1B) about horizontal and back in its front to back location. Operate machine slowly, without presser foot in place, to make sure that chain forms and moves off the tongue freely. Swing presser foot into position, insert material and sew slowly.

#### NEEDLE THREAD CONTROL

While sewing on material, check needle thread control as follows:

#### FOR STYLE 39500 RC-045 ONLY

About 60% of needle thread is drawn from cones on needle down stroke. The remaining 40% is drawn on the upstroke. With needles at bottom of needle stroke, position needle thread eyelet (AD, Fig. 1A) so that needle thread cam pull-off (AE) just contacts needle thread.

The eyelet is adjusted correctly in its front to back position when the desired stitch is obtained with the least amount of needle thread tension when sewing over the complete speed range.

#### FOR STYLES 39500 RB and RC-060

Usually, all needle thread is drawn from cones on needle down stroke. At top of needle stroke, thread should be just tight enough to feed chain off stitch tongue. Needle threads tend to pull down slightly if excessive thread is pulled on the up stroke. With needles at bottom of stroke, position needle thread eyelet (AD, Fig. 1 or 1B) so that the needle thread pull-off (AE) draws the proper amount of needle thread to satisfy the above conditions.

#### UPPER LOOPER THREAD CONTROL (FOR STYLES 39500 RB and RC-045)

During needle down stroke, forward stroke of looper thread pull-off (AF, Fig. 1 or Fig. 1A) will draw upper looper thread through the tension. When normal amount of looper thread is drawn, upper looper thread will have almost all slack taken up as looper thread pull-off reaches its most rearward position.

#### FOR STYLE 39500 RC-045 ONLY

If upper looper thread has a loose appearance in the seam, move the upper looper thread eyelet (N, Fig. 1A) forward and raise slightly. If, however, the eyelet is raised too high and moved too far forward, the looper thread will tend to break excessively—even with a minimum amount of looper thread tension applied.

#### FOR STYLE 39500 RB ONLY

If upper looper thread has loose appearance in the seam, move the upper looper thread eyelet (N, Fig. 1) forward slightly. If, however, the eyelet is too far forward, the looper thread will tend to break excessively—even with a minimum amount of looper thread tension applied.

CAUTION! Do not try to obtain a tight looper thread appearance on the seam by carrying high tensions.

#### LOWER LOOPER THREAD CONTROL (FOR STYLE 39500 RC-060)

During needle down stroke, forward stroke of looper thread pull-off (AF, Fig. 1B) will draw lower looper thread through the tension. When normal amount of looper thread is drawn, lower looper thread will have almost all slack taken up as looper thread pull-off reaches its most rearward position.

If lower looper thread has a loose appearance in the seam, move lower looper thread eyelet (R, Fig. 1B) forward and raise slightly. If, however, the eyelet is raised too high and moved too far forward, the looper thread will tend to break excessively—even with a minimum amount of looper thread tension applied.

CAUTION! Do not try to obtain a tight looper thread appearance on the seam by carrying high tensions.

#### POSITIONING THE PURL TO OBTAIN A FLAT SEAM

If the purl is at the top edge of the garment, the seam can be opened into a near butted appearance. If, however, the purl is under the edge, a less flat and tighter seam results when opened.

#### FOR STYLES 39500 RC-045 and RC-060

Raising and bringing the upper looper thread eyelet (N, Fig. 1A) or the lower looper thread eyelet (R, Fig. 1B) forward causes less thread to be pulled from the cones as the looper travels to the top of its stroke and causes the purl to form more on the top of the edge. If the eyelet is raised and brought too far forward, however, the thread becomes too tight, resulting in looper thread breakage. With a reasonable amount of looper thread tension to insure a flexible chain, the looper thread eyelet should be adjusted to position the purl as desired.

#### FOR STYLE 39500 RB ONLY

Moving the needle thread eyelet (AD, Fig. 1) back causes less thread to be pulled from the cones as the needles travel to the top of their stroke and causes the purl to form more on the top of the edge. If the eyelet is moved back too far however, the threads become slack at the top of the stroke and the chain will not feed off the throat plate tongue. With a reasonable minimum needle thread tension to insure uniformity, the needle thread eyelet should be adjusted to position the purl as desired.

## THREAD TENSIONS WITH RESPECT TO STITCH

#### FOR STYLES 39500 RC-045 and RC-060

The needle thread tension required is a function of needle thread and the material being sewn. In general, upper looper or lower looper thread tension should be set as high as possible without causing the needle threads to be pulled too far over the top of the seam and low enough to prevent looper thread breakage.

#### FOR STYLE 39500 RB ONLY

The needle threads and looper thread tensions should be set at a minimum to insure uniformity of stitch. NOTE: Tension applied to the threads at the thread stand tension disc felt (L, Fig. 1) should only be enough to prevent the threads from becoming slack between these tension pads and the tension discs mounted on the machine. All controlling tension settings to insure uniformity of stitch should be obtained by varying the tensions at the tension discs, which are mounted on the machine.

#### ILLUSTRATIONS AND ORDERING REPAIR PARTS

Numbers in the first column are reference numbers only, and merely indicate the position of that part in the illustration. Reference number should never be used in ordering parts. Always use the part number listed in the second column.

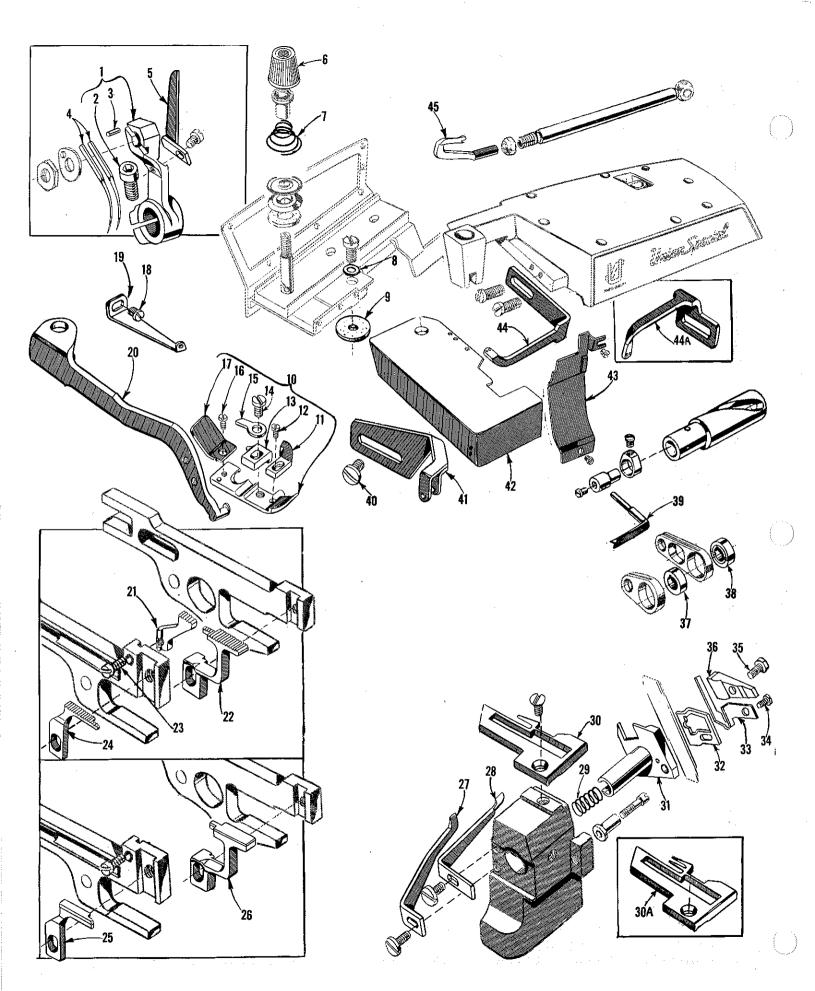
#### IDENTIFYING PARTS

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

PART NUMBERS REPRESENT THE SAME PART, REGARDLESS OF CATALOG IN WHICH THEY APPEAR.

#### TERMS

Prices are 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 postage and insurance.



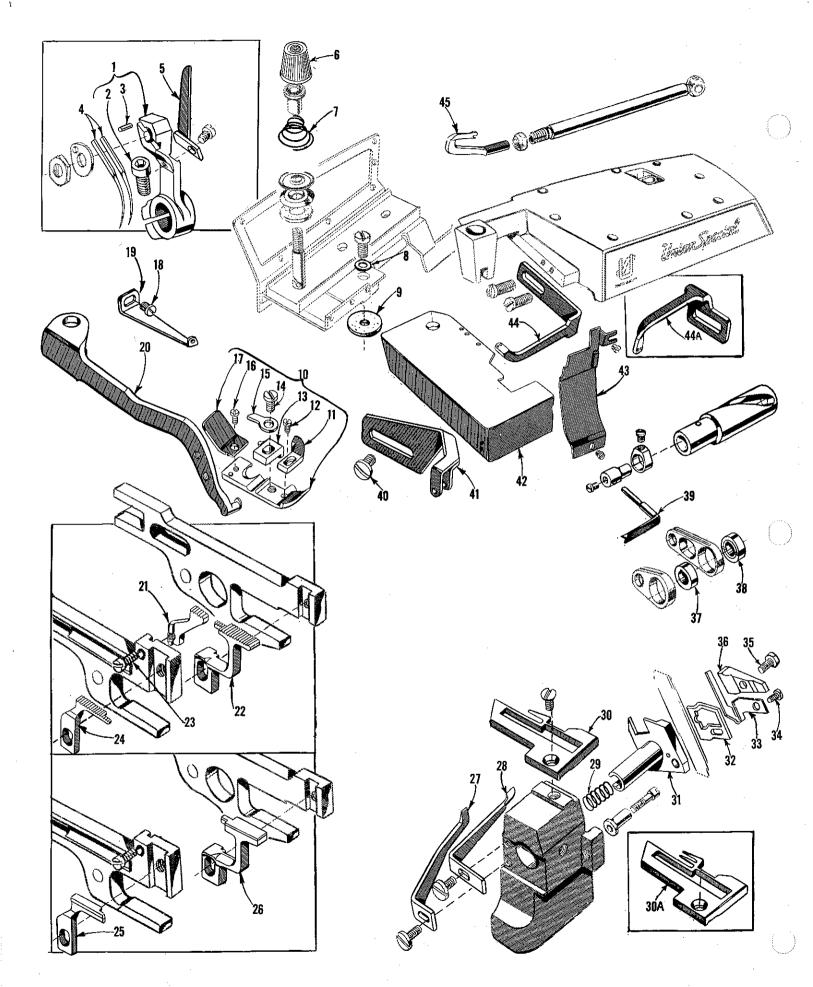
The parts illustrated on Pages 18, 20 and 22 and described on this page, page 21 and 23 represent the parts that are used on Styles 39500 RB, 39500 RC-045 and 39500 RC-060, but not used on Style 39500 QA.

Unless otherwise specified in the description, the parts are used on all the machine styles covered in this catalog. Those parts shown in phantom views and bearing no reference numbers are common to Styles 39500 QA, 39500 RB, 39500 RC-045 and 39500 RC-060.

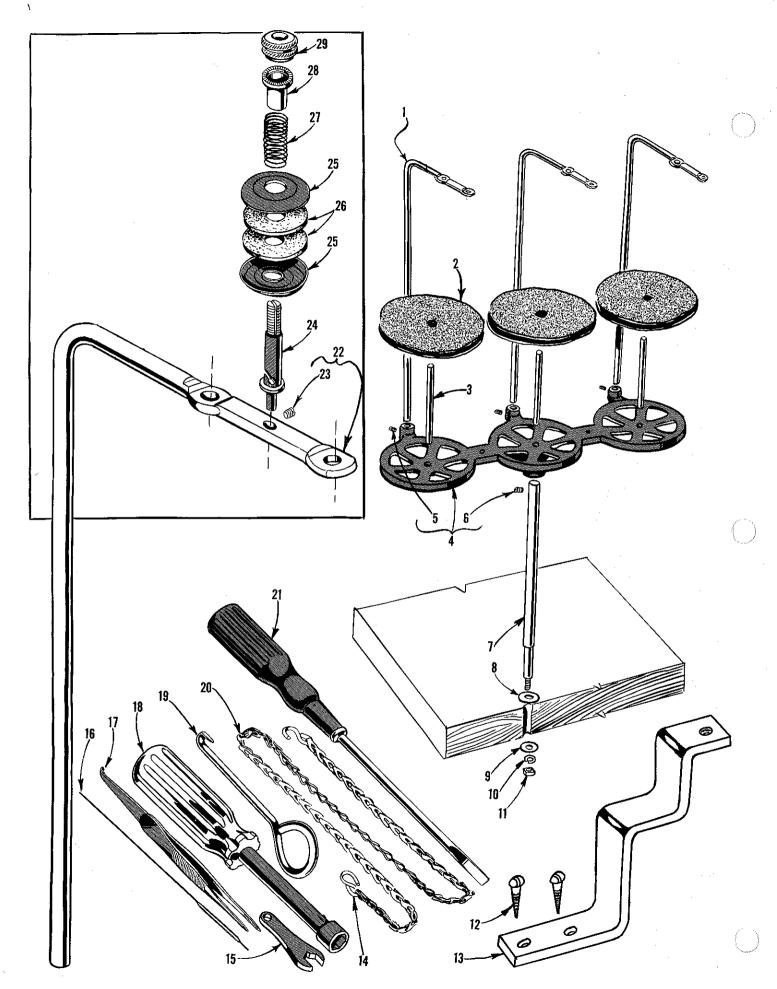
Use Catalog No. 103 QA for all parts not illustrated or described here.

Reference numbers that are inside a bracket or box on the picture plate and have indented descriptions, indicate they are components of a complete part or assembly.

Ref. No.		Part No.		Description	Amt. Req.
	_				req.
1		39552	AA	Needle Driving Arm, marked "L", for Styles 39500 RB and RC-045	- 1
-		39552	AB	Needle Driving Arm, marked "M", for Styles 39500 RC-060 only	
2		22596	E	Screw, for needle driving arm	Î
3		39552	AD	Stop Pin, for needle	
4		154	GFS	Needle, for Styles 39500 RB and RC-045	
_		154	GDS	Needle, for Style 39500 RC-060 only	
5		39563	P	Needle Thread Pull-off, for Style 39500 RB only	
6		39592	Z	Left Needle Thread Tension Nut, yellow	
_		39592	AA	Right Needle Thread Tension Nut, green	
~		39592	AB	Upper Looper Thread Tension Nut, blue, for Styles 39500 RB and RC -045	
-		39592	AC	Lower Looper Thread Tension Nut, red, for Style 39500 RC-060	
7		39592	AR-1	Needle Tension Spring	
_		39592	AR-1	Looper Tension Spring, for Style 39500 RB only	
-		39592	AR-2	Looper Tension Spring, for Styles 39500 RC-045 and RC-060	
8		40-	-46	Washer, for No. 22806 A	
9		39592	E	Pad, for tension post mounting bracket	
10		39592		Presser Foot, for Style 39500 RB only	
_		39592	AC	Presser Foot, for Styles 39500 RC-045 and RC-060	
11		39530	P	Chip Guard	
12		22738		Screw, for chip guard	
13		39597	AB	Stitch Tongue, marked "EK"	
14		22768	В	Screw, for stitch tongue and hinge spring	
15		39530		Hinge Spring	
16		22738		Screw, for chain shield	
17		39530	S	Chain Shield, for presser foot No. 39520 AB	
-		39530	R	Chain Shield, for presser foot No. 39520 AC	
18		73	X	Screw, for frame thread guide, for Style 39500 RC-060 only	- 1
19		39568	R	Frame Looper Thread Eyelet, for Style 39500 RC-060 only	- 1
20		39556	J	Presser Arm	<b>-</b> 1
21		39505	_	Chaining Feed Dog, 20 t.p.i., for Styles 39500 RC-045 and RC-060	_ 1
22 t	o 45			See following page	• . : . :



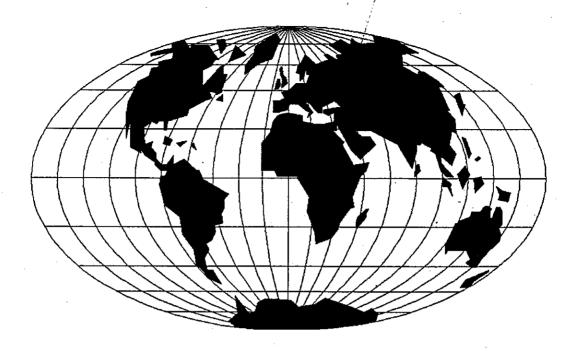
Ref.	Part		Amt.
No.	No.	Description	Req.
			•
1 to 21		See preceding page	
22	39526 AC	Differential Feed Dog, 22 t.p.i., for Styles 39500 RC-045 and RC-060	- 1
23	22797 A	Screw, for chaining feed dog, for Styles 39500 RC-045 and RC-060	_ 1 :
24	39505 AC	Main Feed Dog, marked "AM", 22 t.p.i., for Styles 39500 RC-045 and RC-060	_ 1
25	39505 AB	Main Feed Dog, marked "AG", rubber coated,	
26	39526 AB	for Style 39500 RB only Differential Feed Dog, rubber coated, for Style	:
0.7	20505 17	39500 RB only	- 1
27	39525 H	Needle Guard, front, for Styles 39500 RB and RC-045 -	
~	39525 L	Needle Guard, front, for Style 39500 RC-060 only	
28	39525 J	Needle Guard, rear	- 1
29	39550 E	Lower Knife Holder Spring	- 1
30	39524 AB-1/8	Throat Plate, marked "AX-1/8", for Style 39500 RB-1/8 only	_ 1 :
_	39524 AB-5/32		- I
— ·	37324 AD 3732	39500 RB-5/32 only	- 1
-	39524 AC	Throat Plate, marked "AV", for Style 39500 RC-045 only	
30 A	39528 AG	Throat Plate, marked "AY", for Style 39500 RC-060 only	
31	39550 AF	Lower Knife Holder	<b>-</b> 1
32	39550 AC	Knife Guide Plate	- 1
33	39550 AE	Lower Knife Clamp Spring	<b>-</b> 1
34	605 A	Screw, for lower knife clamp spring	_ 1 .
35	22588 J	Screw, for lower knife clamp	- 1
36	39550 AD	Lower Knife Clamp	- 1
37	39540 B-20	Main Feed Driving Eccentric	<b>-</b> 1
38	39540 B-18	Differential Feed Driving Eccentric	<b>–</b> 1
39	39560 A	Upper Spreader, marked "E", for Style 39500 RC-060 only	
40	22569 D	Screw, for needle thread eyelet	<b>–</b> 1
41	39563 H	Needle Thread Eyelet, for Styles 39500 RC-045	
_	39563 N	Needle Thread Eyelet, for Style 39500 RB only	_
42	39501 DD	Cloth Plate, for Style 39500 RB only	
_	39501 D	Cloth Plate, for Style 39500 RC-045 only	
_	39501 DC	Cloth Plate, for Style 39500 RC-060 only	
43	39578 TB	Chip Guard, for Style 39500 RB only	
, <del></del>	39578 U	Chip Guard, for Styles 39500 RC-045 and RC-060	
44	39563 X	Top Cover Needle Thread Eyelet, for Styles  39500 RB and RC-060	<b>-</b> 1
44 A	39563 R	Top Cover Needle Thread Eyelet, for Style	_ 1
45	39560 В	39500 RC-045 only	- 1 - 1



## THREAD STAND AND MISCELLANEOUS TOOLS

1		Ref. No.	Part No.	Description	Amt. Req.
39500 RC-045 and RC-060 3 2 21104 V Pad, for thread cone 3 3 69 S Spool Pin 3 4 21130 W-3 Cone Support 1 5 22650 CB-4 Screw, for thread eyelet 3 6 22650 CE-6 Screw, for thread stand rod 1 7 21104 AA Thread Stand Rod 1 8 652 J-24 Washer 1 10 WA9 A Lock Washer 1 11 651 A-16 Nut 1 12 SC333 A Wood Screw, round head #9 x 5/8 inch (15.88 mm) long 2 13 39592 W Tension Post Bracket, for mounting on tableboard 1 14 660-264 "S" Hook, for treadle chain 2 15 116 Wrench, for 9/32 inch (7.14 mm) nuts 1 16 39599 A Threading Wire 1 17 660-240 Threading Wire 1 18 21388 AU Socket Wrench, for 3/8 inch (9.52 mm) nuts holding feed eccentrics 1 20 421 D-34 Treadle Chain, for presser foot lifter 1 21202 Screwdriver, 3/16 inch (4.76 mm) diameter, 10 3/4 inches (273.05 mm) long overall (not furnished with machine) 1 22 21113 G Thread Stand Eyelet and Support Rod, for Style 39500 RB only 3 23 22565 C Screw, for tension post 1 24 39592 D Tension Post, for Style 39500 RB only 3 25 109 Tension Disc, (inverted) for Style 39500 RB only 5 27 51292 F-1 Tension Spring, for Style 39500 RB only 5 28 107 Tension Post Ferrule, for Style 39500 RB only 5 38 107 Tension Post Ferrule, for Style 39500 RB only 5 39 500 RB only 5 38 107 Tension Post Ferrule, for Style 39500 RB only 5 39 500 RB only 5 38 107 Tension Post Ferrule, for Style 39500 RB only 5 38 107 Tension Post Ferrule, for Style 39500 RB only 5 38 107 Tension Post Ferrule, for Style 39500 RB only 5 38 107 Tension Post Ferrule, for Style 39500 RB only 5 38 107 Tension Post Ferrule, for Style 39500 RB only 5 38 107 Tension Post Ferrule, for Style 39500 RB only 5 38 107 Tension Post Ferrule, for Style 39500 RB only 5 38 107 Tension Post Ferrule, for Style 39500 RB only 5 38 107 Tension Post Ferrule, for Style 39500 RB only 5 38 107 Tension Post Ferrule, for Style 39500 RB only 5 39 109 Tension Post Ferrule, for Style 39500 RB only 5 30 100 Tension Post Ferrule, for Style 39500 RB only 5 30 100 Tension Post Ferrule, for Style 39500 RB only 5 30 100 Tension Post Ferrule, for Style 39500 RB only 5		110,	110.	Dobolipuon	neq.
2 21104 V Pad, for thread cone 3 3 69 S Spool Pin 3 4 21130 W-3 Cone Support 1 5 22650 CB-4 Screw, for thread eyelet 3 6 22650 CE-6 Screw, for thread stand rod 1 7 21104 AA Thread Stand Rod 1 8 652 J-24 Washer 1 9 652 J-16 Washer 1 11 651 A-16 Nut 1 12 SC333 A Wood Screw, round head #9 x 5/8 inch (15.88 mm) long 1 14 660-264 "S" Hook, for treadle chain 2 15 116 Wrench, for 9/32 inch (7.14 mm) nuts 1 16 39599 A Threading Wire 1 17 660-240 Thread Tweezers 1 18 21388 AU Socket Wrench, for 3/8 inch (9.52 mm) nuts holding feed eccentrics 1 19 21227 BF Cam Extractor 1 20 421 D-34 Treadle Chain, for presser foot lifter 1 21 21202 Screwdriver, 3/16 inch (4.76 mm) diameter, 10 3/4 inches (273.05 mm) long overall (not furnished with machine) 1 22 22565 C Screw, for tension post 1 23 22565 C Screw, for tension post 1 24 39592 D Tension Disc, (inverted) for Style 39500 RB only 3 25 109 Tension Dost, for Style 39500 RB only 6 26 39592 E Tension Spring Pad, felt, for Style 39500 RB only 5 28 107 Tension Post Ferrule, for Style 39500 RB only 5 28 107 Tension Post Ferrule, for Style 39500 RB only 5 38 107 Tension Post Ferrule, for Style 39500 RB only 5 38 107 Tension Post Ferrule, for Style 39500 RB only 5 39500 RB only 7 50 100 100 100 100 100 100 100 100 100 1		1	21113 F	00500 BG 045 1 BG 000	· <del>~</del> 3
4         21130 W-3         Cone Support         1           5         22650 CB-4         Screw, for thread eyelet         3           6         22650 CE-6         Screw, for thread stand rod         1           7         21104 AA         Thread Stand Rod         1           8         652 J-24         Washer         1           10         WA9 A         Lock Washer         1           11         651 A-16         Nut         1           12         SC333 A         Wood Screw, round head #9 x 5/8 inch (15.88 mm)         1           10 mg         Tension Post Bracket, for mounting on tableboard         1           14         660-264         "S" Hook, for treadle chain         2           15         116         Wrench, for 9/32 inch (7.14 mm) nuts         1           16         39599 A         Threading Wire         1           17         660-264         Thread Tweezers         1           18         21383 AU         Socket Wrench, for 3/8 inch (9, 52 mm) nuts holding           19         21227 BF         Cam Extractor         1           20         421 D-34         Treadle Chain, for presser foot lifter         1           *21         21202         Screwdriver,		2	21104 V	Pad, for thread cone	- 3
5         22650 CB-4         Screw, for thread eyelet         3           6         22650 CE-6         Screw, for thread stand rod         1           7         21104 AA         Thread Stand Rod         1           8         652 J-24         Washer         1           9         652 J-16         Washer         1           10         WA9 A         Lock Washer         1           11         651 A-16         Nut         1           12         SC333 A         Wood Screw, round head #9 x 5/8 inch (15.88 mm)         1           10         Hospital         1         660-264         "S" Hook, for treadle chain         2           13         39592 W         Tension Post Bracket, for mounting on tableboard         1         1           14         660-264         "S" Hook, for treadle chain         2           15         116         Wrench, for 9/32 inch (7.14 mm) nuts         1           16         39599 A         Threading Wire         1           17         660-240         Thread Tweezers         1           18         21388 AU         Socket Wrench, for 3/8 inch (9.52 mm) nuts holding feed eccentrics         1           20         421 D-34         Treadle Chain, for presse		3	69 S	Spool Pin	· <b>-</b> 3
5         22650 CB-4         Screw, for thread eyelet         3           6         22650 CE-6         Screw, for thread stand rod         1           7         21104 AA         Thread Stand Rod         1           8         652 J-24         Washer         1           9         652 J-16         Washer         1           10         WA9 A         Lock Washer         1           11         651 A-16         Nut         1           12         SC333 A         Wood Screw, round head #9 x 5/8 inch (15.88 mm)         1           10         Hospital         1         660-264         "S" Hook, for treadle chain         2           13         39592 W         Tension Post Bracket, for mounting on tableboard         1         1           14         660-264         "S" Hook, for treadle chain         2           15         116         Wrench, for 9/32 inch (7.14 mm) nuts         1           16         39599 A         Threading Wire         1           17         660-240         Thread Tweezers         1           18         21388 AU         Socket Wrench, for 3/8 inch (9.52 mm) nuts holding feed eccentrics         1           20         421 D-34         Treadle Chain, for presse		4	21130 W-3	Cone Support	- 1
6 22650 CE-6 Screw, for thread stand rod 1 7 21104 AA Thread Stand Rod 1 8 652 J-24 Washer 1 9 652 J-16 Washer 1 10 WA9 A Lock Washer 1 11 651 A-16 Nut 1 12 SC333 A Wood Screw, round head #9 x 5/8 inch (15.88 mm) long 2 13 39592 W Tension Post Bracket, for mounting on tableboard 1 14 660-264 "S" Hook, for treadle chain 2 15 116 Wrench, for 9/32 inch (7.14 mm) nuts 1 16 39599 A Threading Wire 1 17 660-240 Thread Tweezers 1 18 21388 AU Socket Wrench, for 3/8 inch (9.52 mm) nuts holding feed eccentrics 1 19 21227 BF Cam Extractor 1 20 421 D-34 Treadle Chain, for presser foot lifter 1 *21 21202 Screwdriver, 3/16 inch (4.76 mm) diameter, 10 3/4 inches (273.05 mm) long overall (not furnished with machine) 1 1 28604 R Container of Oil, 16 ounces, Spec. 175 1 1 39595 Isolators, rubber 4 1 660-458 Dust Cover 1 22 21113 G Thread Stand Eyelet and Support Rod, for Style 39500 RB only 3 23 22565 C Screw, for tension post 1 24 39592 D Tension Dost, (inverted) for Style 39500 RB only 6 26 39592 F Tension Spring Pad, felt, for Style 39500 RB only 6 27 51292 F-1 Tension Spring, for Style 39500 RB only 6 28 Tension Post Ferrule, for Style 39500 RB only 6 28 Tension Spring, for Style 39500 RB only 6 29 Tension Post Ferrule, for Style 39500 RB only 6 20 Tension Post Ferrule, for Style 39500 RB only 6 21 Tension Post Ferrule, for Style 39500 RB only 7 22 Tension Post Ferrule, for Style 39500 RB only 7 23 Tension Post Ferrule, for Style 39500 RB only 7 24 Tension Post Ferrule, for Style 39500 RB only 7 25 Tension Post Ferrule, for Style 39500 RB only 7 26 Tension Post Ferrule, for Style 39500 RB only 7 27 Tension Post Ferrule, for Style 39500 RB only 7 28 Tension Post Ferrule, for Style 39500 RB only 7 3		5	22650 CB-4		. –
8       652 J-14       Washer       1         10       WA9 A       Lock Washer       1         11       651 A-16       Nut       1         12       SC333 A       Wood Screw, round head #9 x 5/8 inch (15. 88 mm)       2         13       39592 W       Tension Post Bracket, for mounting on tableboard       1         14       660-264       "S" Hook, for treadle chain       2         15       116       Wrench, for 9/32 inch (7.14 mm) nuts       1         16       39599 A       Threading Wire       1         17       660-240       Thread Tweezers       1         18       21388 AU       Socket Wrench, for 3/8 inch (9.52 mm) nuts holding feed eccentrics       1         20       421 D-34       Treadle Chain, for presser foot lifter       1         *21       21202       Screwdriver, 3/16 inch (4.76 mm) diameter, 10 3/4 inches (273.05 mm) long overall (not furnished with machine)       1         †       28604 R       Container of Oil, 16 ounces, Spec. 175       1         22       21113 G       Thread Stand Eyelet and Support Rod, for Style       39590 RB only       3         23       22565 C       Screw, for tension post       1         24       39592 D       Tension Post, for Style 39		6	22650 CE-6	Screw, for thread stand rod	- 1
8       652 J-14       Washer       1         10       WA9 A       Lock Washer       1         11       651 A-16       Nut       1         12       SC333 A       Wood Screw, round head #9 x 5/8 inch (15. 88 mm)       2         13       39592 W       Tension Post Bracket, for mounting on tableboard       1         14       660-264       "S" Hook, for treadle chain       2         15       116       Wrench, for 9/32 inch (7.14 mm) nuts       1         16       39599 A       Threading Wire       1         17       660-240       Thread Tweezers       1         18       21388 AU       Socket Wrench, for 3/8 inch (9.52 mm) nuts holding feed eccentrics       1         20       421 D-34       Treadle Chain, for presser foot lifter       1         *21       21202       Screwdriver, 3/16 inch (4.76 mm) diameter, 10 3/4 inches (273.05 mm) long overall (not furnished with machine)       1         †       28604 R       Container of Oil, 16 ounces, Spec. 175       1         22       21113 G       Thread Stand Eyelet and Support Rod, for Style       39590 RB only       3         23       22565 C       Screw, for tension post       1         24       39592 D       Tension Post, for Style 39		7	21104 AA	Thread Stand Rod	· <b>-</b> 1
10		8	652 J-24	Weaker	- 1
11		9	652 J-16	Washer	- 1
11		10	WA9 A	Lock Washer	- 1
long		11		Nut	- 1
13		12	SC333 A	Wood Screw, round head #9 x 5/8 inch (15.88 mm)	
14 660-264 "S" Hook, for treadle chain 2 15 116 Wrench, for 9/32 inch (7.14 mm) nuts 1 16 39599 A Threading Wire 1 17 660-240 Thread Tweezers 1 18 21388 AU Socket Wrench, for 3/8 inch (9.52 mm) nuts holding feed eccentrics 1 19 21227 BF Cam Extractor 1 20 421 D-34 Treadle Chain, for presser foot lifter 1 21202 Screwdriver, 3/16 inch (4.76 mm) diameter, 10 3/4 inches (273.05 mm) long overall (not furnished with machine) 1 28604 R Container of Oil, 16 ounces, Spec. 175 1 39595 Isolators, rubber 1 22 21113 G Thread Stand Eyelet and Support Rod, for Style 39500 RB only 3 23 22565 C Screw, for tension post 1 24 39592 D Tension Post, for Style 39500 RB only 3 25 109 Tension Disc, (inverted) for Style 39500 RB only 6 26 39592 E Tension Spring Pad, felt, for Style 39500 RB only 6 27 51292 F-1 Tension Spring, for Style 39500 RB only 3 28 107 Tension Post Ferrule, for Style 39500 RB only 3			•	long	- 2
17 660-240 Thread Tweezers				Tension Post Bracket, for mounting on tableboard	- 1
17 660-240 Thread Tweezers				"S" Hook, for treadle chain	- 2
17 660-240 Thread Tweezers		15	and the second s	Wrench, for 9/32 inch (7.14 mm) nuts	- 1
18				Threading Wire	- 1
feed eccentrics					- 1
19		18	21388 AU	Socket Wrench, for 3/8 inch (9.52 mm) nuts holding	
20				feed eccentrics	1
*21 21202 Screwdriver, 3/16 inch (4.76 mm) diameter, 10 3/4 inches (273.05 mm) long overall (not furnished with machine) 1  † 28604 R Container of Oil, 16 ounces, Spec. 175				Cam Extractor	· <b>-</b> 1
inches (273.05 mm) long overall (not furnished with machine)————————————————————————————————————			•	Treadle Chain, for presser foot lifter	. <b>-</b> 1
22 21113 G Thread Stand Eyelet and Support Rod, for Style	*	:21	21202	inches (273.05 mm) long overall (not furnished with	·- 1
22 21113 G Thread Stand Eyelet and Support Rod, for Style	†		28604 R	Container of Oil, 16 ounces, Spec. 175	<b>-</b> 1 <sub>1</sub> ,
22 21113 G Thread Stand Eyelet and Support Rod, for Style	+	• .	39595	Isolators, rubber	- 4
22 21113 G Thread Stand Eyelet and Support Rod, for Style	+	-	660-458	Dust Cover	· <b>-</b> 1
23       22565 C       Screw, for tension post       1         24       39592 D       Tension Post, for Style 39500 RB only       3         25       109       Tension Disc, (inverted) for Style 39500 RB only       6         26       39592 E       Tension Spring Pad, felt, for Style 39500 RB only       6         27       51292 F-1       Tension Spring, for Style 39500 RB only       3         28       107       Tension Post Ferrule, for Style 39500 RB only       3		22	21113 G	Thread Stand Eyelet and Support Rod, for Style	<b>.</b>
24       39592 D       Tension Post, for Style 39500 RB only 3         25       109       Tension Disc, (inverted) for Style 39500 RB only 6         26       39592 E       Tension Spring Pad, felt, for Style 39500 RB only 6         27       51292 F-1       Tension Spring, for Style 39500 RB only 3         28       107       Tension Post Ferrule, for Style 39500 RB only 3		23	22565 C	Screw. for tension post	- 1
25 109 Tension Disc, (inverted) for Style 39500 RB only 6 26 39592 E Tension Spring Pad, felt, for Style 39500 RB only 6 27 51292 F-1 Tension Spring, for Style 39500 RB only 3 28 107 Tension Post Ferrule, for Style 39500 RB only 3		-		Tension Post, for Style 39500 RB only	<del>-</del> 3
26 39592 E Tension Spring Pad, felt, for Style 39500 RB only 6 27 51292 F-1 Tension Spring, for Style 39500 RB only 3 28 107 Tension Post Ferrule, for Style 39500 RB only 3			•	Tension Disc, (inverted) for Style 39500 RB only	- 6
27 51292 F-1 Tension Spring, for Style 39500 RB only 3 28 107 Tension Post Ferrule, for Style 39500 RB only 3				Tension Spring Pad, felt, for Style 39500 RB only	- 6
28 107 Tension Post Ferrule, for Style 39500 RB only 3				Tension Spring, for Style 39500 RB only	· <del></del> 3
29 108 Tension Post Nut, for Style 39500 RB only 3				Tension Post Ferrule, for Style 39500 RB only	- 3
			108	Tension Post Nut, for Style 39500 RB only	- 3

<sup>\*</sup> Not furnished with machine. † Not shown on picture plate.



#### WORLDWIDE SALES AND SERVICE

Union Special Corporation maintains sales and service facilities throughout the world. These offices will aid you in the selection of the right sewing equipment for your particular operation. Union Special Corporation representatives and service technicians are factory trained and are able to serve your needs promptly and efficiently. Whatever your location, there is a qualified representative to serve you.

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