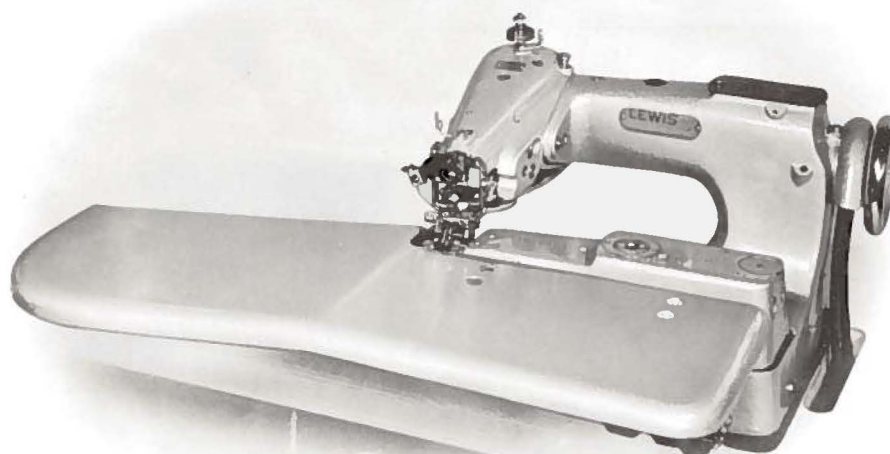


FINEST QUALITY

Union Special[®]
LEWIS • COLUMBIA

**INDUSTRIAL
SEWING
MACHINES**

**STYLE
150-8**



**CATALOG
No.
194-11**

**LIST OF PARTS
AND
INSTRUCTIONS**

Union Special **MACHINE COMPANY**
CHICAGO

From the library of: Superior Sewing Machine & Supply LLC

Catalog No. 194-11

INSTRUCTIONS
FOR
ADJUSTING AND OPERATING

LIST OF PARTS

Style 150-8

First Edition

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Union Special
MACHINE COMPANY
INDUSTRIAL SEWING MACHINES
CHICAGO

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IDENTIFICATION OF MACHINES

Each Union Special Lewis machine carries a style number which is stamped in the style plate on the head of the machine. The serial number of each machine is stamped in the arm, under the top cover.

APPLICATION OF CATALOG

This catalog is a supplement to catalog No. 194-5 and should be used in conjunction therewith. Consult catalog No. 194-5, machine Style 150-7, for all parts not illustrated or described in this catalog. Opposite the illustrated page is listed each part by number, name and amount required.

This catalog applies specifically to the Standard Style of machine as listed herein. References to direction such as right, left, front, back, up or down, etc., are given from the operator's position while seated at the machine. Operating direction of handwheel is away from the operator.

DESCRIPTION OF MACHINE

Style 150-8 differs from most Class 150 machines by having a yielding ridge forming disc instead of a rigid disc to form the node for needle penetration.

The machine was designed for blindstitch felling of the bottom of waist band curtains, on trousers, shorts and slacks. It will sew across pockets without sewing the pocket shut. A fine appearing finish is obtained by the reduction of the stitch width as compared to existing Class 150 machines.

OILING

The machine should be oiled twice daily, before the morning and afternoon starts. Use a good grade of straight mineral oil of a Saybolt viscosity of 90 to 125 seconds at 100° Fahrenheit.

Most of the oiling places on the machine are readily identified because of the fact they are painted red.

SPEED

The recommended operating speed of this machine is 3000 R. P. M.

NEEDLES

Use only genuine Union Special Lewis needles. They are stamped with the word "Lewis" on the shank.

The recommended needle for this machine is Type 29-494. It has a blade diameter of .040 inch. It is also available in the following sizes:

<u>Needle Type</u>	<u>Size</u>
29-492 1/2	.025
29-493	.030
29-493 1/2	.035
29-494 1/2	.045

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

To have needle orders promptly and accurately filled, an empty container, a sample needle, or the Type number should be forwarded. Use the description on the label. A complete order would read: "100 Needles, Type 29-494".

CHANGING NEEDLES

When changing needle, make sure that it is inserted in the needle carrier as far as it will go and tighten clamp screw securely.

Immediately discard any needle which may have a hooked or blunt point, as improper needle penetration will result.

ADJUSTING INSTRUCTIONS FOR STYLE 150-8

General Instructions for Class 150 machines, found in Catalog No. 194-5 are applicable for Style 150-8. The adjusting instructions below pertain only to Style 150-8 and supplement the General Instructions.

ADJUSTING THE YIELDING RIDGE FORMING DISC

With the yielding ridge forming disc, it is possible to regulate the depth of needle penetration from the top side of the work by using an adjustment mounted in the presser foot, known as a compensating spring actuated crown.

The compensating crown is positioned directly over the yielding ridge forming disc. The compensating spring insures continual guiding of the edge of the waistband curtain in the crown during the full travel of the ridge former. As the ridge former travels to the point of penetration, the crown is set to come to a positive stop in its upward travel. Because of this condition, the needle will always penetrate the same distance from the top of the work. Any variation in the thickness of the work will cause the ridge former to yield.

In the felling operation on waistband curtains, the machine can be set for blind-stitching the thickness of the curtain and an additional ply of material. As additional plies of material pass between the ridge former and the crown, the ridge former will yield. For an example, when felling over the watch pocket, the machine will sew across the pocket without sewing the pocket shut.

ADJUSTMENT FOR WIDTH OF STITCH

To obtain the desired narrow stitch, the ridge forming disc is positioned in the center of the guide slot on the bottom of the crown. It should be noted that this setting is approximately 1/16 inch from the right side of the cloth opening in the presser foot. Adjust the presser foot edge guide accordingly.

ADJUSTING THE YIELDING DISC

With the crown out of contact with the work, and by using the ridge forming disc regulator, as stated in the General Instructions for Class 150 machines, set the machine so that the needle penetrates the desired depth. All further adjustments should be made by using the knurled head crown adjusting screw located in the crown on the presser foot.

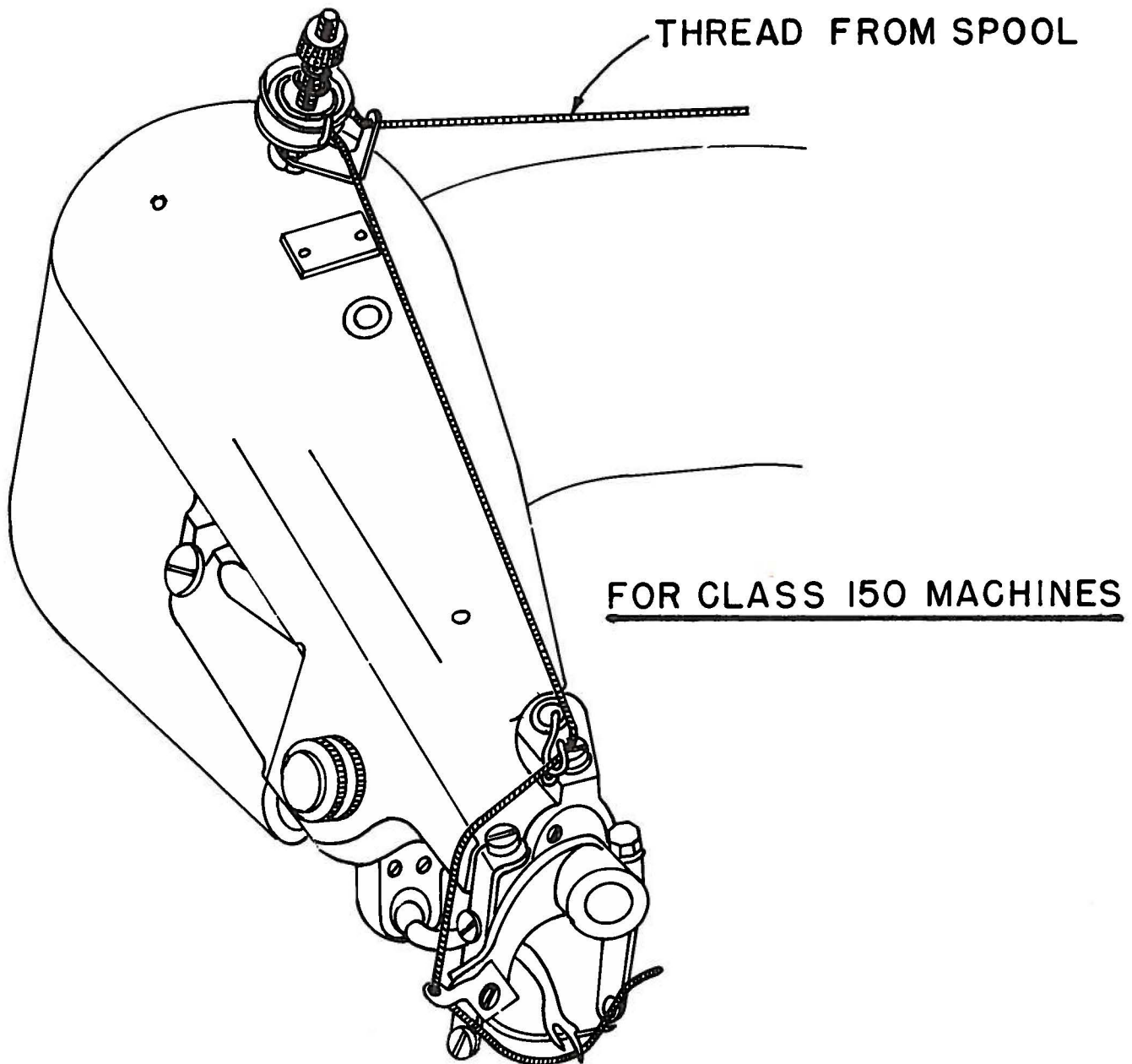
To adjust the crown for more penetration of the needle, turn the adjusting screw counterclockwise. For less penetration, turn the screw clockwise.

To increase the spring pressure on the crown, turn the screw in the center of the adjusting screw clockwise, counterclockwise for less pressure.

YIELDING RIDGE FORMING DISC PRESSURE ADJUSTMENT

Pressure is directly applied to the yielding ridge forming disc by adjusting the plunger rod with the upper nut. Generally, the correct pressure is obtained when there is a 3/32 inch clearance between the top of the plunger holder and the underside of the head of the plunger shaft.

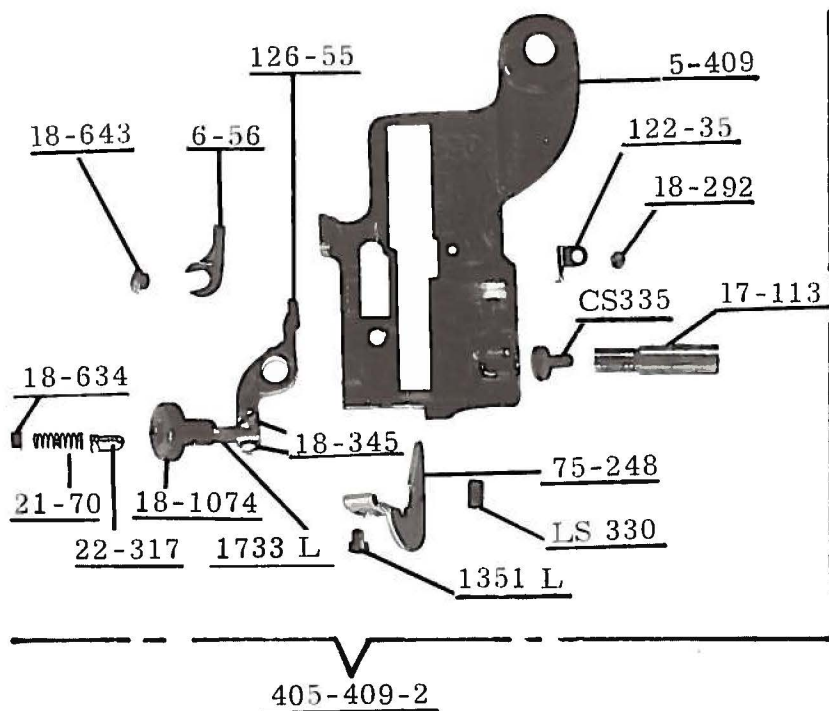
THREADING CHART



Thread machine as indicated above.

The machine should be oiled twice daily, before the morning and afternoon starts. Use a good grade of straight mineral oil of a Saybolt viscosity of 90 to 125 seconds at 100° Fahrenheit.

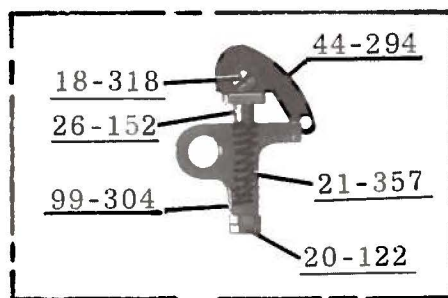
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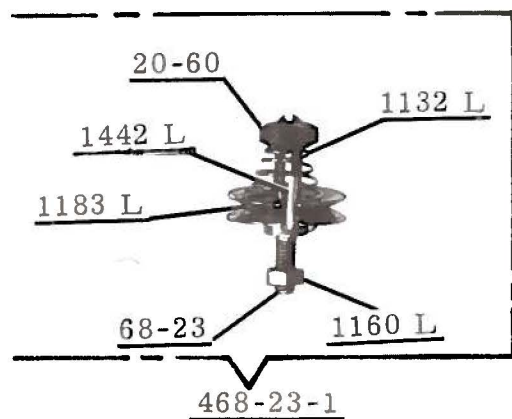
24-327



405-409-2



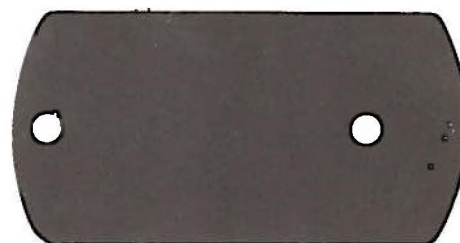
18-764



41-49



41-42



32-36

The parts illustrated on the preceding page and described on this page represent the parts that are used on Style 150-8, but are not used on Style 150-7.

On the preceding page, part numbers contained within a box are components of the part number listed below the box and are indicated on this page by indenting their description under the description of the main assembly.

Use Catalog No. 194-5 for all parts not illustrated or described here.

<u>Part No.</u>	<u>Description</u>	<u>Amt. Req.</u>
18-764	Plug Screw, for machine arm -----	1
24-327	Feed Plate, right -----	1
32-36	Cover Plate, for machine arm-----	1
41-42	Thread Guide -----	1
41-49	Thread Guide, for front of machine arm -----	1
405-409-2	Presser Foot Assembly -----	1
5-409	Presser Foot -----	1
6-56	Needle Guide -----	1
17-113	Stud, for crown -----	1
18-292	Screw-----	1
18-261	Screw-----	2
18-634	Set Screw -----	1
18-643	Screw-----	1
18-1074	Adjusting Screw, for presser foot -----	1
21-70	Spring -----	1
1733 L	Spring -----	1
22-317	Pin-----	1
75-248	Edge Guide -----	1
122-35	Finger-----	1
126-55	Cloth Retainer -----	1
LS330	Set Screw -----	1
CS335	Screw-----	1
1375 L	Screw-----	1
444-294-1	Ridge Forming Disc Assembly-----	1
18-318	Screw-----	1
20-122	Nut -----	2
21-357	Spring -----	1
26-152	Plunger -----	1
44-294	Disc -----	1
99-304	Disc Plunger Holder -----	1
468-23-1	Tension Staff Assembly -----	1
20-60	Nut -----	1
68-23	Tension Staff -----	1
1132 L	Tension Spring -----	1
1160 L	Nut -----	1
1183 L	Tension Disc -----	2
1442 L	Stop Pin -----	1



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