

BOSTITCH®

OPERATION and MAINTENANCE MANUAL MODEL 19001EHD WIRE STITCHER HEAD

WARNING:
DO NOT OPERATE MACHINE UNTIL ALL GUARDS ARE IN PLACE.

This instruction book and parts catalog is provided for operators of wire stitching machines equipped with the Bostitch No. 19001E Wire Stitcher Heads. The aim of this book is to cover the essential details of operation and maintenance of the heads, and to provide a complete breakdown of component parts for the purpose of ordering repair parts. This book does not include information on the stitching machines, but pertains only to the stitcher heads used on the machines.

Part I is divided into the following four sections:

- 1. Operating Adjustments:** This section will contain instructions with accompanying illustrations for making the necessary adjustments required for the proper operation of the Bostitch No. 19001E head.
- 2. Maintenance:** Detailed instructions and illustrations for maintenance procedures will be covered in this section.
- 3. Disassembly and Reassembly:** This section will consist of completely illustrated instructions for disassembling and reassembling the heads.
- 4. Trouble Shooting:** This section consists of a table illustrating perfect and imperfect stitches with a list of the causes for the imperfect stitches and another list of methods used to correct the imperfect stitches.

Part II contains a fully illustrated parts list covering the component parts of the head, instructions for the use of the parts lists, and a numerical index that lists all part numbers in numerical order with cross reference to the parts list and illustrations.

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SPECIFICATIONS — HEAD MOUNTING DIAGRAM

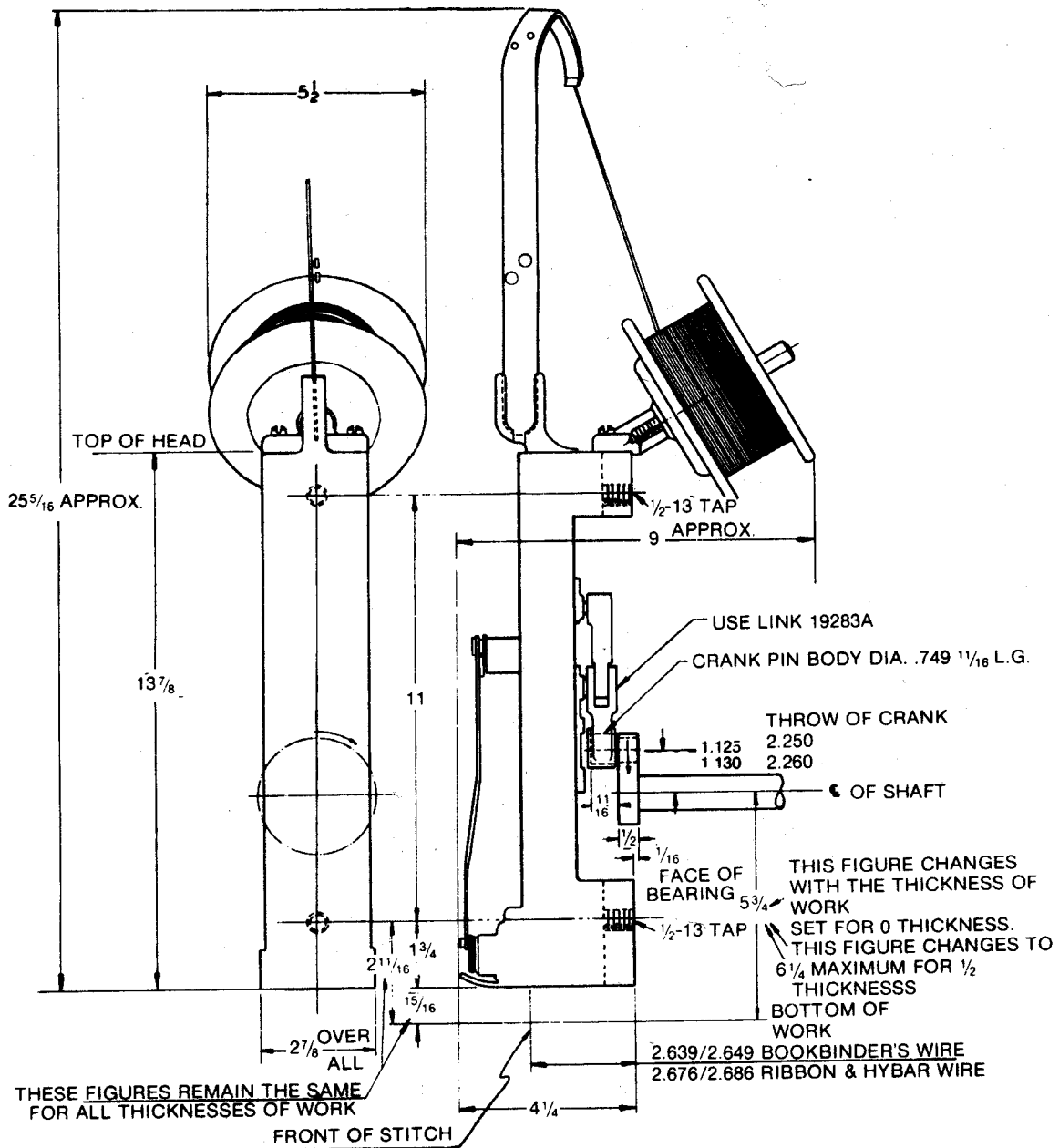


TABLE OF RECOMMENDED WIRE SIZES, TOLERANCES, AND TENSILE STRENGTHS FOR BEST STITCHING PERFORMANCE

TYPE OF WIRE	WIRE GAUGE	WIRE SIZE AND TOLERANCE	TENSILE STRENGTH P.S.I.	OBTAINABLE CROWN SIZE
FLAT BOOKBINDER'S	19 x 21-1/2	+.000 ± .0005 .041 - .004 x .0301	120,000 to 150,000	1/2
	20 x 24	± .000 ± .0005 .0348 - .004 x .023		3/8, 1/2, 5/8, 3/4
	21 x 25	+.000 ± .0005 .0317 - .003 x .0204		1/2
ROUND BOOKBINDER'S	#20	.0348 ± .001	120,000 to 150,000	1/2, 5/8
	#23	.0258 ± .0005		1/2, 5/8
	#25	.0204 ± .0005		3/8, 1/2, 5/8, 3/4
	#27	.0173 ± .0005		1/2, 3/4
	#30	.014 ± .0005		1/2, 3/4

NOTE: Wires of Tensile strength other than those listed may be available and used as required to suit the particular application.

PART I

OPERATING ADJUSTMENTS, MAINTENANCE, DISASSEMBLY AND REASSEMBLY, AND TROUBLE SHOOTING

Bostitch Model 19001EHD Head is used on Model 19E Stitcher

OPERATING ADJUSTMENTS

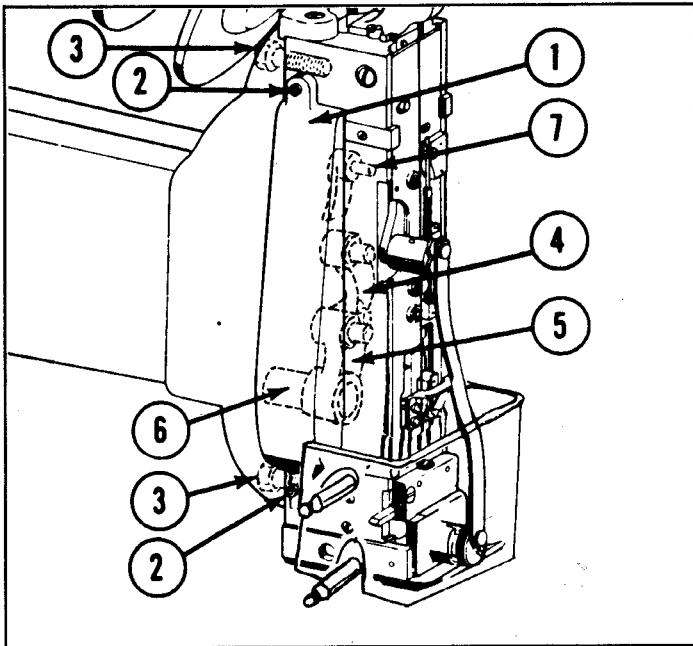


FIGURE 1
Removing and Attaching Head

The quality and quantity of work which a Bostitch stitcher head can produce are dependent upon the operator's making the necessary adjustments as accurately as possible. The following illustrated instructions are provided so that the operator will understand clearly how to make these adjustments.

1) REMOVING HEAD: (See Figure 1)

- a) Remove the spool of wire.
- b) Remove head guard.
- c) Remove the guards (1) and the upper and lower screws (2).
- d) Remove the bonnet screws (3).
- e) Pull the head off the machine and at the same time remove the driver link (4) and the bender link (5).

2) ATTACHING HEAD: (See Figure 1)

- a) Attach the links (4 and 5) to the driving slide block and the bender slide, put the crank pin (6) into the bender link (5), and put the adjusting link pin (7) into the hole in the face plate adjusting slide.

- b) Hold the head just far enough away from the frame to see the holes in which to insert the bonnet screws (3); then tighten the screws. Replace the guard.
- c) Make sure the screws are tight before starting the machine. Turn the machine over by hand before applying power.

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3) THREADING WIRE: (See Figure 2)

- a) Place a spool of wire on the spool stud so that the wire will pull from under the left side.
- b) Disengage the swivel operating spring (1) from the swivel (2) by lifting the lower end of the spring and swinging it to the left.
- c) Run the wire over the wire guide spring (3), and thread it between the wire guide spring studs (4), under the flanges of the wire straightener rolls (5), through the oiler felt in retainer (not shown) and then between the face plate wire tension rolls (6).
- d) Open the wire straightener eccentric (8) and feed the wire between the wire straightener rolls (7) and wire straightener eccentric roll.
- e) Pull the wire down until any crooked wire has passed through the rolls.
- f) Pass the wire between the stationary and rotating grips at (9), then cut it off just below grip holder, and insert about 1/4 inch of wire into the slot on the top of the stationary wire cutter (10).
- g) Replace the swivel operating spring. The wire can now be cut off by starting the machine.

4) STRAIGHTENING WIRE: (See Figure 3)

- a) Adjust the wire straightener eccentric (1).
- b) Determine the correct location of the eccentric by disengaging the swivel operating spring (2) and removing the swivel (3), and watch the wire as it is fed past the opening in the swivel holder when the machine is operated. If the wire curls to the left, the straightener is not set tight enough. If the wire curls to the right, the straightener is set too tight.

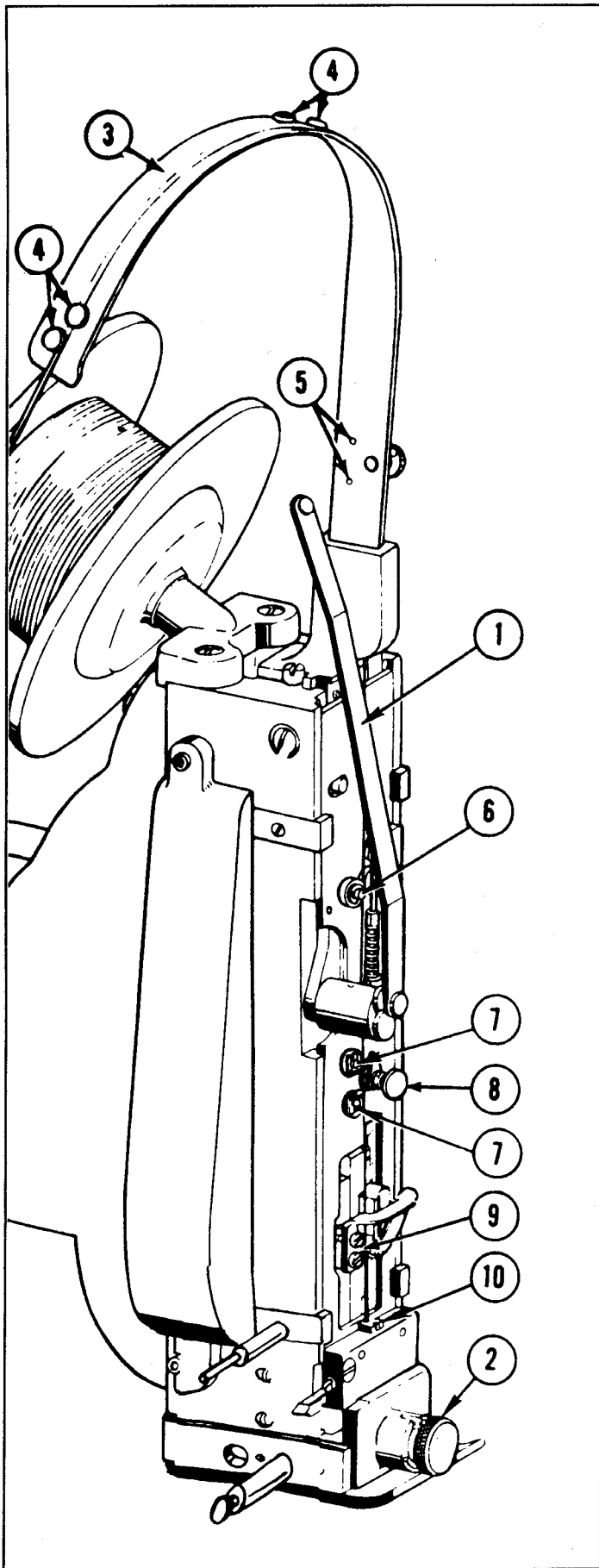


FIGURE 2
Threading Wire

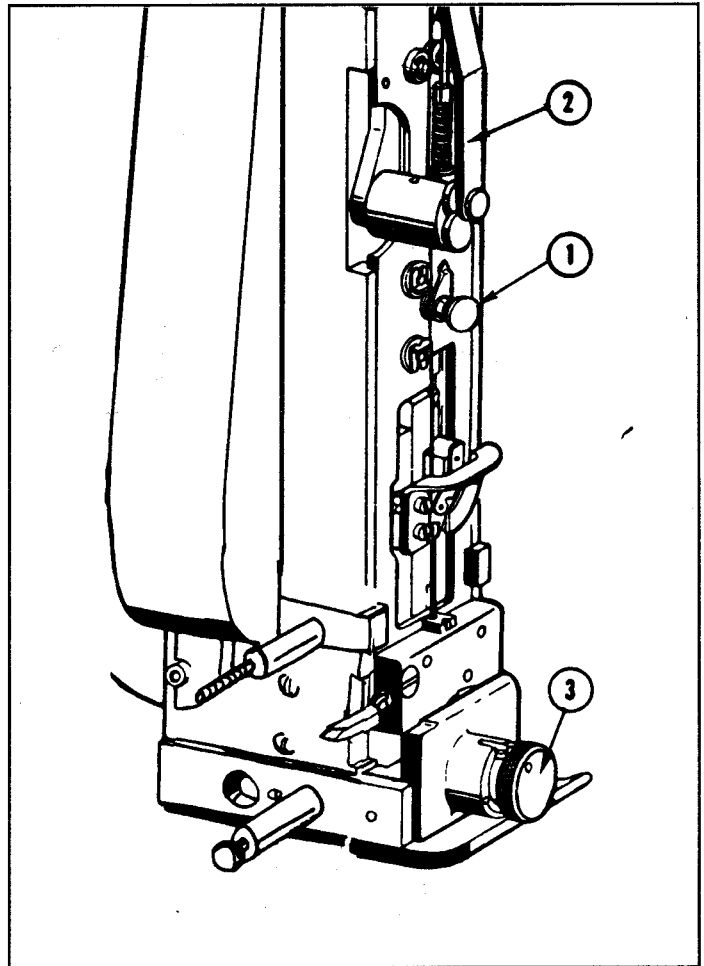


FIGURE 3
Straightening Wire

c) Check the straightness of the wire each time a new coil is installed on the machine, or if the wire fails to feed properly into the swivel.

5) ADJUSTING LENGTH OF STAPLES:
(See Figure 4)

- a) To change the length of both legs of the staple, loosen the face plate adjusting screw (1) and push the face plate (2) up to lengthen, or down to shorten the legs of the staple. Tighten the screw (1) after each adjustment.
- b) To increase the left leg of a staple, loosen the wire guide spring bracket adjusting screw binder (3) and the wire guide spring bracket screw (4), then turn the wire guide spring bracket adjusting screw (5) counterclockwise. Press down firmly on the wire guide spring bracket (6) until the bottom of the head of the adjusting screw (5) bears against the top of the bonnet casting. Tighten the binder screw (3) and the screw (4). A quarter turn of the adjusting screw (5) makes a considerable difference in the length of the leg. Turn the adjusting screw clockwise to shorten the leg.

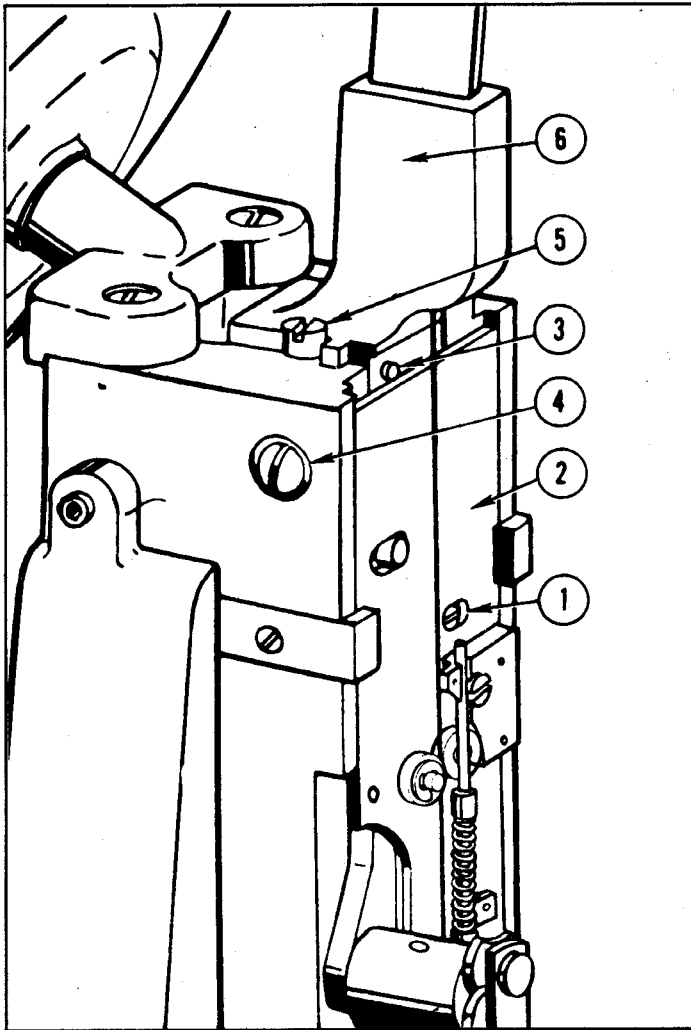


FIGURE 4
Adjusting Length of Staples

MAINTENANCE:

To insure continuous operation, the operator should be certain that the heads are lubricated regularly and carefully maintained. The operator should periodically inspect all moving parts for signs of wear and, when required, replace the worn parts. Such parts as the wire cutters, grips, and drivers are subject to wear and have been designed to provide duplicate cutting or gripping surfaces. If, after continuous usage, the original cutting or gripping surface of any such part shows signs of wear, the position of the part can be reversed so that a new surface is provided and the life of the part is lengthened.

1) LUBRICATION:
(See Figure 5)

NOTE: Before using the head, lubricate it sparingly to prevent oil from gathering at the bottom of the head and soiling the work. Use oil equivalent to SAE 10.

- a) Place a few drops of oil on top of the head at each side of the wire guide spring bracket (1).
- b) Oil the swivel operating lever (2).

- c) Oil the driver bar and the bender bar through the top of the large opening at the bottom of the face plate (3).
- d) Oil the angular slot in the wire cutter operating slide (4) where it shows at the left of the opening in the face plate.
- e) Put a drop of oil on the swivel (5).
- f) Staple wire oiler felt (not shown), should also be oiled at regular intervals.

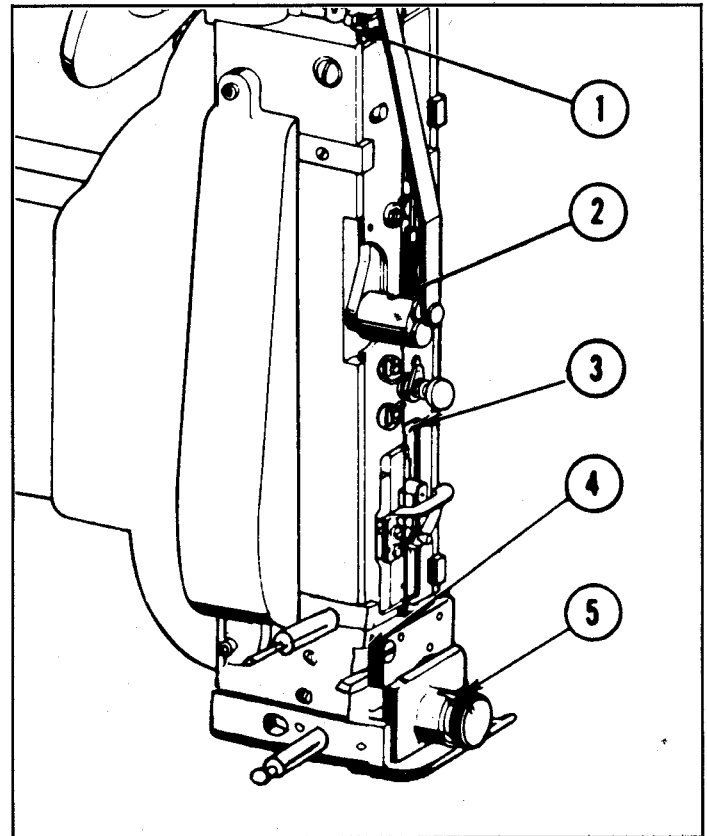


FIGURE 5
Points of Lubrication

2) REMOVING SLIDING WIRE CUTTER:
(See Figure 6)

- a) Before removing the sliding wire cutter (1), revolve the pulley by hand and trip the machine once so that the moving parts of the head stop at the top of the stroke.
- b) Loosen the wire cutter slide screw (3) to disengage from the wire cutter slide (4), and at the same time, push upward on the wire cutter slide pin (5) until it contacts the top of the clearance cut provided for it in the face plate.
- c) Then slide out the wire cutter (1).

3) REPLACING SLIDING WIRE CUTTER:
(See Figure 6)

NOTE: The sliding wire cutter may be reversed if one cutting edge becomes dull or worn.

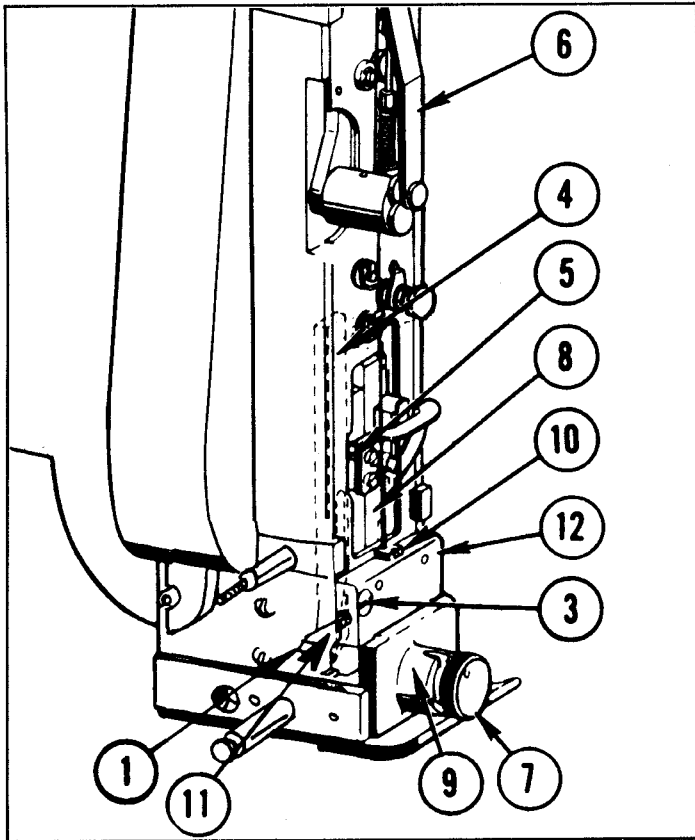


FIGURE 6
Removing and Replacing Wire Cutters

- a) If the wire cutter slide screw (3) has re-engaged the slot in the wire cutter slide (4) while the sliding wire cutter is out of the head, repeat step (b) under paragraph titled "Removing Sliding Wire Cutter", to disengage the screw from the slide.
- b) Disengage the swivel operating spring (6) from the swivel (7) by lifting the lower end of the spring and swinging it to the left; then remove the swivel.
- c) Trip the machine and revolve the pulley until the bottom end of the driver (8) appears at the top of the opening in the swivel holder (9).
- d) Place the sliding wire cutter (1) in the slot provided for it, and with the tongue of the cutter toward the back of the machine, push down on the wire cutter slide pin (5) until the tongue is engaged by the slot in the wire cutter slide (4). Turn wire cutter slide screw (3) clockwise to engage slot in wire cutter slide and tighten.
- e) Replace the swivel (7) and the swivel operating spring (6).

4) REMOVE STATIONARY WIRE CUTTER:
(See Figure 6)

- a) Before attempting to remove the stationary wire cutter (10), loosen the stationary wire cutter binder screw (11).
- b) Grasp the cutter with pliers and pull up.
- c) If the stationary wire cutter has been shortened from successive grindings so that it does not extend far

enough above the wire cutter holder (12) to be grasped, remove the swivel (7) and the sliding wire cutter (1), and drive the stationary wire cutter down and out.

5) REPLACING STATIONARY WIRE CUTTER:
(See Figure 6)

NOTE: The stationary wire cutter may be reversed.

- a) Replace the sliding wire cutter and revolve the pulley until the cutter is in the cut-off position.
- b) Place the cutter (10) in the wire cutter holder (12), and press the stationary wire cutter down firmly against the sliding wire cutter (1) while tightening the stationary wire cutter binder screw (11).

6) REMOVING GRIPS:
(See Figure 7)

- a) To gain access to the stationary and rotating grips, lift the lower end of the swivel operating spring (2) from the swivel (3), and swing it to the left.
- b) Remove the lower grip block screw (6), loosen the upper grip block screw (7), swing the grip spring (4) aside and remove the stationary grip from the grip block (5).

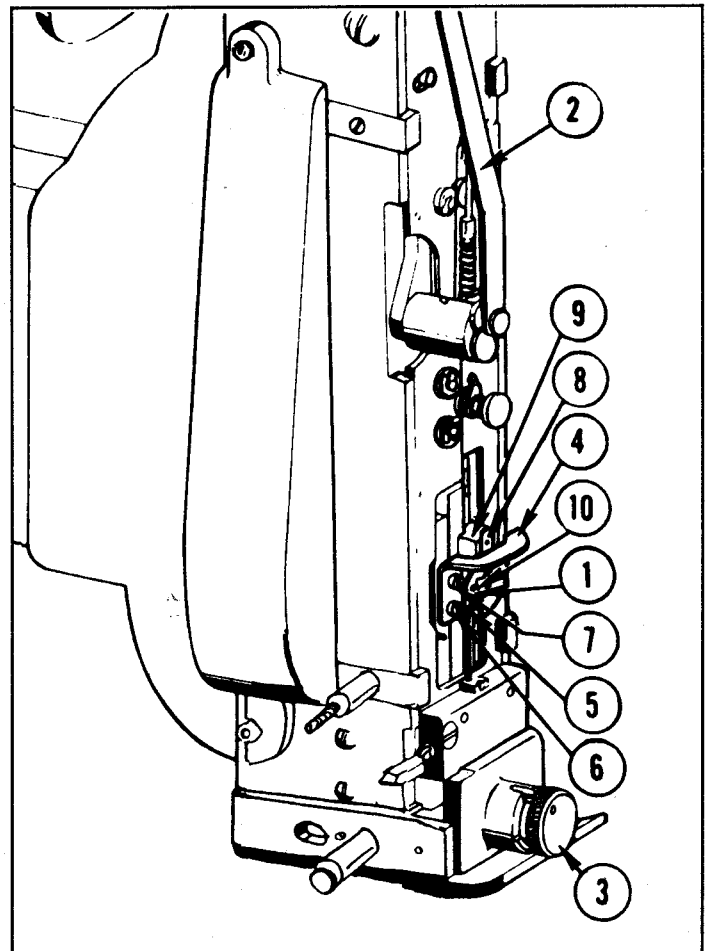


FIGURE 7
Removing and Replacing Grip

- c) Pull the grip retaining spring (8) forward to clear the locking pin, swing the spring to the left and remove the rotating grip (1) from the grip holder (9).

7) REPLACING GRIPS:
(See Figure 7)

NOTE: The stationary grip has two contact areas and may be reversed for use of the second contact area before grip needs replacing.

- a) Replace the rotating grip (1) in the grip holder (9).
- b) Return the grip retaining spring (8) and secure it over the locking pin.
- c) Replace the stationary grip in the grip block (5).
- d) Fasten the grip block (5) and grip spring (4) by tightening the upper grip block screw (7) and replacing the lower grip block screw (6). Be sure that the end of the spring is engaged behind the head of the stud on the grip holder (9).
- e) Replace the swivel (3) and the swivel operating spring (2).

8) REMOVING DRIVER:
(See Figure 8)

NOTE: The driver is double-ended and may be reversed.

- a) Before removing the driver (1), turn the machine over until the driver is at the upper end of its stroke.
- b) Remove the swivel (2), insert the driver release pin (3) into the hole in the driver, and push in and down.
- c) Withdraw the driver through the underside of the head.

9) REPLACING DRIVER:
(See Figure 8)

- a) Turn the machine over until the end of the bender bar (4) can be seen through the opening in the swivel holder (5).
- b) Insert the end of the driver into the grooves in the bender bar, and push the driver up until it engages the catch.

DISASSEMBLY AND REASSEMBLY:

1) DISASSEMBLING HEAD:
(See Figure 9)

- a) After removing the head from the stitching machine, remove the swivel operating spring (1) by swinging it to the right and upward until it can be disengaged from the stud.
- b) Remove the swivel (2).
- c) Remove the swivel holder (3) by removing the swivel holder clamp screw (4) and the swivel holder clamp (5).
- d) Remove the face plate (6) by backing out the four face plate clip screws (7) until the face plate clips (8) can be moved out to release the face plate.
- e) Recover the sliding wire cutter (9).

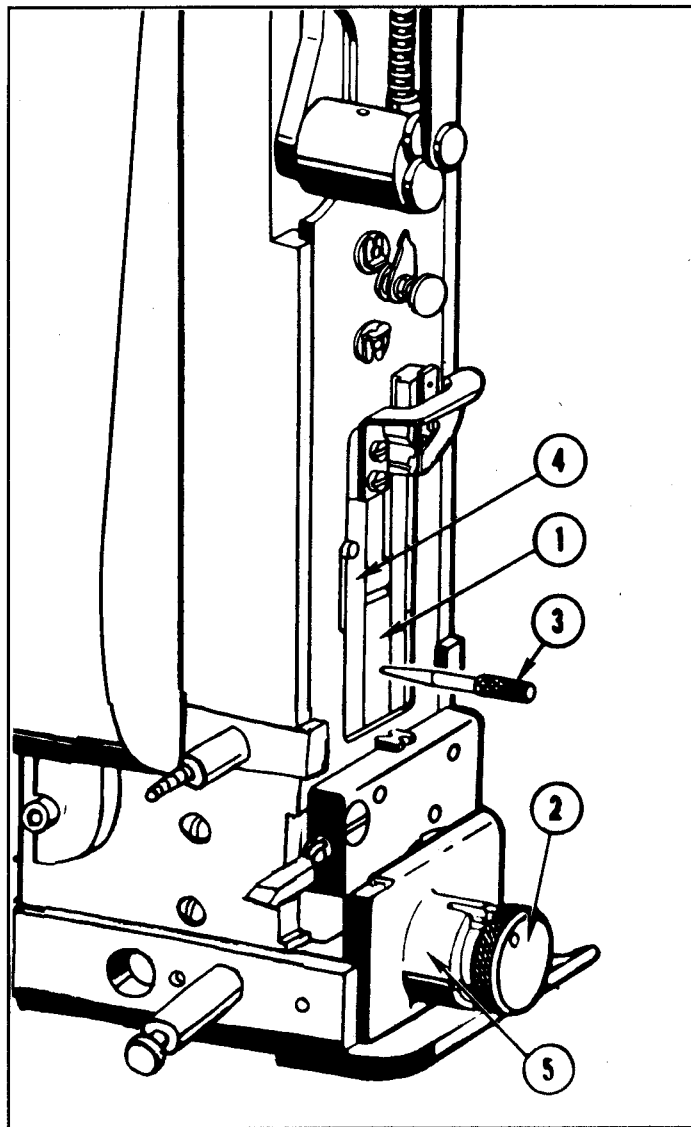


FIGURE 8
Removing and Replacing Driver

- f) Remove the wire cutter slide (10), the grip release slide (11), and the grip release lever (12).
- g) Remove the wire guide spring bracket screw (13). Push the wire guide spring bracket (14) upward and out of the head, tapping it if necessary. Remove the face plate adjusting slide (15).
- h) Swing the swivel operating lever (16) to the left, and remove the entire assembly of forming and driving parts by sliding them upward and out of the head.
- i) Remove the driving slide assembly (17) by sliding it to the right or to the left.
- j) Remove the bender slide unit (18) by working it off backward from the bender bar (19). (The tension of the supporter spring is against the bottom of the slide.)
- k) Disengage the end of the grip spring (20) from the stud on the grip holder (21), and slide the driver bar (22) and the driver (23) downward and out of the bender bar (19).

- l) Remove the supporter (24) by driving the supporter pivot pin (25) to the left and out.
- m) If necessary, remove the swivel operating lever (16) by removing the swivel operating lever stud screw (26) and lock washer (27) from the back of the swivel operating lever stud (28) and driving the stud out from the back of the head.

2) REASSEMBLING HEAD:
(See Figure 9)

- a) Attach the following parts to the bender bar (19) if previously removed: the supporter (24) and supporter pivot pin (25); the rotating grip, grip holder (21), grip retaining spring, grip block, stationary grip, grip spring (20), and grip block screws; and the driver (23), driver bar (22), supporter spring, and supporter spring plunger.
- b) Assemble the bender slide with the bender slide spring, extension and connection block. Engage this unit with the bender bar (19) by pushing down on the supporter spring plunger and inserting the end of the connection block into groove at the upper end of the bender bar.
- c) Push these assembled units into the head. Allow enough of the bender slide unit (18) to protrude to permit the lower end of the driving slide (17) to be engaged with the groove in the driver bar (22); then attach the driving slide.
- d) If previously removed, replace the swivel operating lever (16), hub, stud (28), washer (27), and lever stud screw (26). Push the parts assembled in paragraph (b) down into the head until the swivel operating lever can be swung to right and its upper arm can contact the swivel operating pin at the upper part of the driving slide (17).
- e) Put the face plate adjusting slide (15) and the wire guide spring bracket (14), assembled together, into the grooves in the top of the head. Press down firmly until the bottom of the head of the wire guide spring bracket adjusting screw bears against the top of the bonnet casting.

- f) Replace the wire guide spring bracket screw (13).
- g) Push back on the supporter (24), so that the supporter guide pin will clear the supporter guide plate, and at the same time slide the driver and bender assembly down until the end of the bender bar is about one inch from the bottom of the head. Replace the wire cutter operating slide (10).
- h) Install the grip release lever (12) with the pin at the left facing out. Replace the grip release slide (11) with the slot over the lever.
- i) Put the face plate in position on the head. Line up the face plate adjusting screw and stud on the grip release lever (12) with the holes in the face plate. Make sure that the pin in the wire cutter operating slide (10) is clear of the face plate.
- j) Replace the face plate clips (8), and tighten the screws (7).
- k) Attach the swivel holder (3), and press it tightly against the cutter holder on the face plate. Tighten the right hand clamp and engage the right side of the swivel holder in this clamp tapping if necessary. Engage the left hand clamp (5), forcing the side of the swivel holder down until the screw holes in the clamp and in the head are aligned. Insert and tighten the screw (4).
- l) Replace the sliding wire cutter (9) (see paragraph 3 of the Maintenance Section).
- m) Replace swivel (2) and swivel operating spring (1).

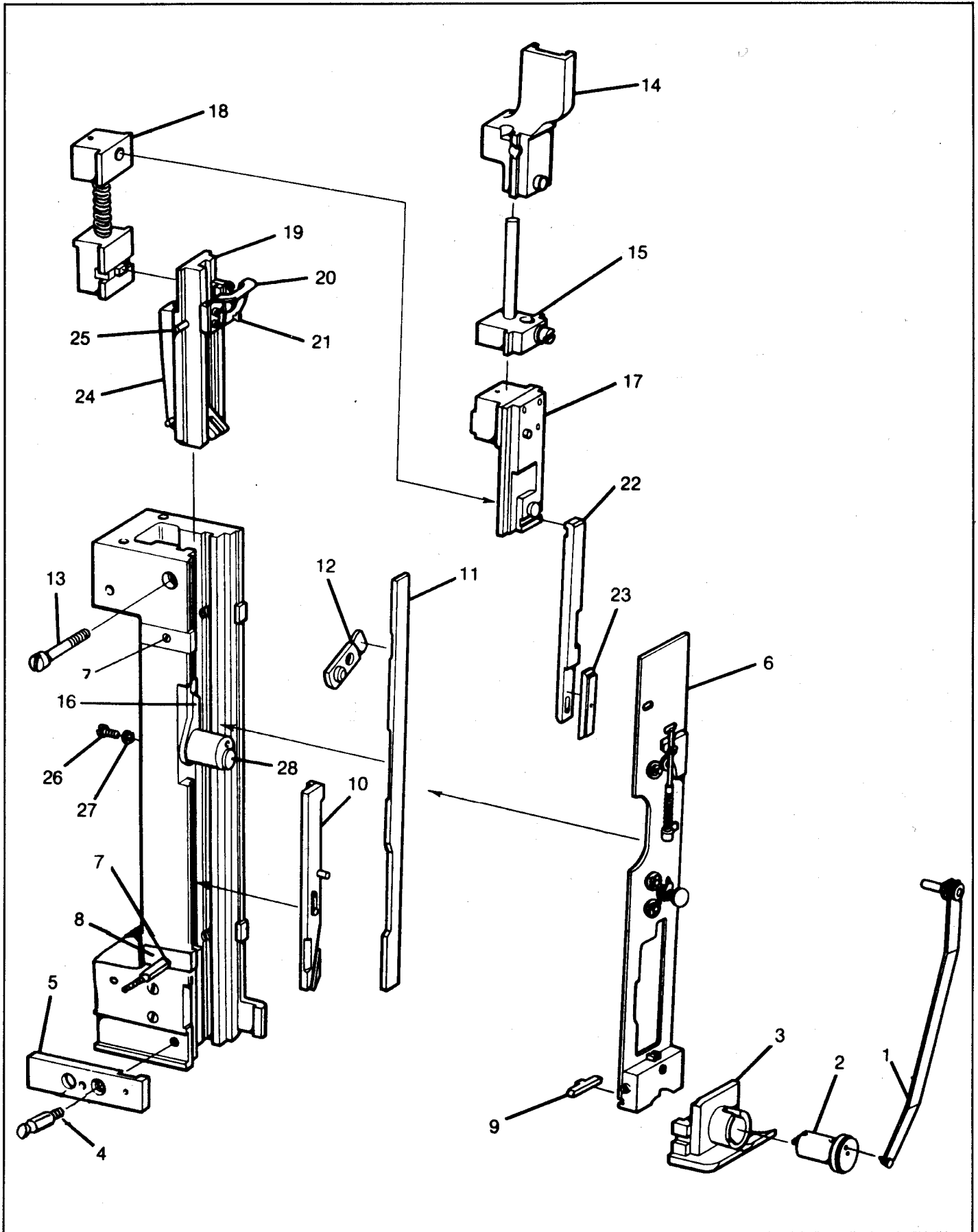














FIGURE 9
Disassembled Head



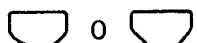

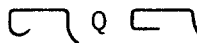

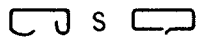



TROUBLE SHOOTING CHART

Formed Staples

STAPLE	TROUBLE	CAUSE	REMEDY
	Perfect staple	—	—
	Right leg short	Cutter not properly adjusted in relation to swivel	Shorten left leg to same length as right leg; adjust length of both legs to desired length (see paragraph 5, page 4).
	Left leg short	Wire feed not adjusted properly	Adjust length of left leg (see paragraph 5, page 4).
		Worn stationary grip	Reverse or replace stationary grip (see paragraphs 6 and 7, pages 6 and 7).
		Weak grip spring	Replace grip spring.
	Staple corner buckles	Chipped or broken driver	Check driver for signs of damage; reverse or replace driver (see paragraphs 8 and 9, page 7).
	Either or both legs buckle	Wire too small	Check wire size for job being done.
		Dull wire cutters	Reverse or replace wire cutters (see paragraphs 2, 3, 4 and 5, pages 5 and 6).
	Bent crown	Wrong size wire	Check wire size.
		Insufficient compression	Adjust compression.
		Supporter retracts too easily	Replace supporter spring.
	Left leg missing	Wire slipping between grip	Change stationary grip to new surface or replace grip (see paragraphs 6 and 7, pages 6 and 7).
		Weak grip spring	Replace grip spring.
	Right leg missing	Corner of swivel too sharp	Slightly stone the corner of swivel over which wire is formed.
	Corner broken or nearly cut through	Corner of swivel too sharp	Slightly stone the corner of swivel over which wire is formed.
		Swivel hook spring or swivel wire retainer too weak	Replace swivel hook spring or swivel wire retainer.
		Wire too brittle	Change wire.
	Staple comes out	Swivel sticking	Clean and lubricate swivel.
		Corner of swivel too sharp	Slightly stone the corner of swivel over which wire is formed.
		Swivel hook spring too weak	Replace swivel hook spring.
	Corners rounded	Worn swivel	Replace swivel.
	Staple leg turned	Dull cutters	Reverse or replace either cutter. Both wire cutters may be reversed. Stationary wire cutter may be ground if cutting edge becomes dull.

TROUBLE SHOOTING CHART

Driven and Clinched Staples

STAPLE	TROUBLE	CAUSE	REMEDY
<div style="display: flex; justify-content: space-around;"> Solid Clincher Movable Clincher </div>			
	Perfect stitch	—	—
	Legs uneven	Cutter not properly adjusted in relation to swivel	Shorten left leg to same length as right leg; adjust length of both legs to desired length (see paragraph 5, page 4).
		Wire feed not properly adjusted	Adjust length of left leg (see paragraph 5, page 4).
		Worn stationary grip	Reverse or replace stationary grip (see paragraphs 6 and 7, pages 6 and 7).
		Weak grip spring	Replace grip spring.
	Loose clinch	Clincher set too low	Set clincher higher.
	Legs spread	Wire straightener not properly adjusted	Check setting of wire straightener (see paragraph 4, page 3).
		Worn bender bar	Replace bender bar.
	Only one leg clinches	Clincher not in line with driver.	Align clincher.
	One leg buckles	Clincher not in line with driver	Align clincher.
	Legs clinch unevenly	Clincher not in line with driver	Align clincher.
	Short legs	Insufficient wire draw	Adjust length of both legs.
	Legs cross	Wire draw too great	Adjust length of both legs.
	Uneven clinching	Clincher not level and parallel to bender bar	Make clincher level and parallel to bender bar.

PART II

REPAIR PARTS

When ordering replacement parts, be sure to specify:
Part Number, Machine Model and Serial Numbers.

1) EXPLANATION OF THE PARTS LIST:

The illustrations and parts list included in the following pages are provided to expedite the ordering of repair parts for the head.

The following parts list and accompanying exploded views of the heads, Figure 10, identify all the parts contained in the head.

The parts in Figure 10 are identified by index numbers that are listed numerically in the first column of the accompanying parts list.

NOTE: Do not confuse the index numbers with the part numbers; when ordering parts, order the required part by part number and not by index number.

The second column of the parts list gives the name of each part, while the third column, gives the part number.

It will be noted that in the column under heading of "Name and Description", certain part names are indented. This indentation indicates that these parts, together with the immediately preceding part that is not indented, make up an assembly. If the part number of the non-indented part is ordered, it will be shipped assembled with the indented parts. However, any of the indented parts may be purchased separately if desired.

NOTE: Those parts designated by an (*) preceding the name of the part should be installed by a Bostitch service man.

2) IDENTIFYING AND ORDERING A PART:

- a) Locate the required part in Figure 10, and note the index number identifying the part.
- b) Locate the index number in the accompanying parts list.
- c) From the PART NUMBER column, select the part number listed for the particular part or assembly.
- d) Order the part by specifying the part number, Serial Number and, if noted in the "Name Column", the size of wire to which the part must conform.

**When in need of Parts or Service, Contact Your Bostitch Distributor.
You will find "BOSTITCH" listed in telephone books of most large cities.**

PARTS LIST
(See Figure 10 — Sheets 1 and 2)

INDEX NO.	NAME AND DESCRIPTION	PART NO.
1	Bonnet 3/8, 1/2.....	15001BA
	Bonnet 5/8, 3/4.....	15001BA 3/4
2	Grip Release Slide Stop Pin.....	UB3108.1
3	Spool Stud.....	7155
4	Spool Stud Washer — Large.....	2245
5	Spool Stud Washer — Small.....	174
6	Spool Stud Bracket.....	15161
7	Spool Stud Bracket Screw.....	UA5812.11
8	Face Plate (Flat Bookbinders and Round Wire) 3/8.....	19591DA
	Face Plate (Flat Bookbinders and Round Wire) 1/2.....	19135FA
	Face Plate (Flat Bookbinders and Round Wire) 5/8, 3/4.....	15636DA
9	Wire Cutter Holder 3/8, 1/2.....	15105E *
	Wire Cutter Holder 5/8, 3/4.....	15605B
10	Wire Cutter Holder Rivet.....	15106
11	Wire Tension Roll Stud.....	19122B
12	Wire Straightener Roll Stud.....	9123
13	Tension Roll Block.....	19142
14	Tension Roll Block Rivet.....	257
15	Tension Roll Spring Rod Guide.....	19148
16	Tension Roll Spring Rod Guide Rivet.....	9055
17	Swivel Operating Lever Stop Stud.....	9059
18	Wire Tension Roll Retainer.....	85018
19	Face Plate Clip.....	15092B
20	Face Plate Clip Screw.....	UA3808.9
20A	Upper Head Guard Stud.....	14597
20B	Washer.....	PW10
20C	Wing Nut.....	WN1420
21	Wire Tension Roll (for wire under .030 thick).....	19121
	Wire Tension Roll (for wire .030 thick and over).....	19121B
22	Tension Roll Spring.....	7180
23	Tension Roll Spring Rod.....	19147A
23A	Tension Roll Spring Rod Retainer.....	5062
24	Head Guard.....	14596
25	Grip Release Slide 3/8, 1/2.....	15045
	Grip Release Slide 5/8, 3/4.....	15645
26	Supporter Guide Plate 3/8.....	19061
	Supporter Guide Plate 1/2.....	19061
	Supporter Guide Plate 5/8, 3/4.....	15661
27	Supporter Guide Plate Screw.....	15062
28	Supporter Guide Plate Screw Lock Washer.....	LW10.4
29	Swivel 3/8.....	19565A
	Swivel 1/2.....	19065A
	Swivel 5/8.....	15565A
	Swivel 3/4.....	15665A
30	Swivel Hook.....	7232
31	Swivel Hook Pin.....	7233
32	Swivel Hook Spring.....	7234
33	Swivel Safety Pin.....	15069
34	Swivel Holder 3/8.....	19593
	Swivel Holder 1/2, 5/8, 3/4.....	15072B
35	Swivel Holder Guard.....	15076
36	Swivel Holder Guard Screw.....	UA3410.1
37	Swivel Holder Clamp.....	15090A
	Swivel Holder Dowel.....	15075
39	Swivel Holder Clamp Screw & Head Guard Stud.....	14598
40	Swivel Operating Lever 3/8.....	19599
	Swivel Operating Lever 1/2.....	19078A
	Swivel Operating Lever 5/8, 3/4.....	19078A
41	Swivel Operating Lever Pin.....	19080

* For Field Replacements — Order 15105F

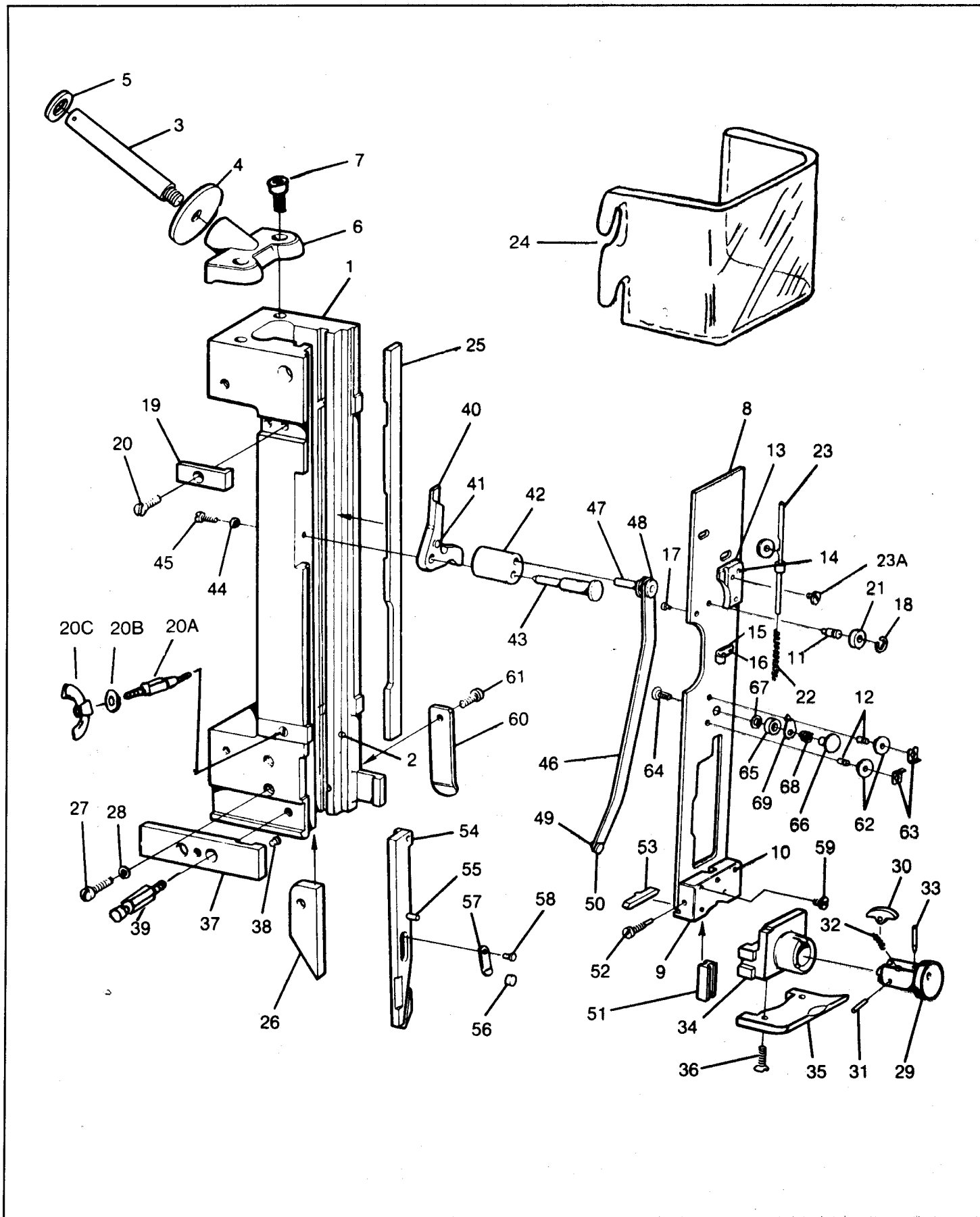


FIGURE 10 (Sheet 1)
Head Component Parts

PARTS LIST (cont'd)

INDEX NO.	NAME AND DESCRIPTION	PART NO.
42	Swivel Operating Lever Hub.....	19081
43	Swivel Operating Lever Stud.....	19079
44	Swivel Operating Lever Stud Screw Lock Washer.....	LW10.4
45	Swivel Operating Lever Stud Screw.....	9057
46	Swivel Operating Spring.....	19084A
47	Swivel Operating Spring Stud.....	19085
48	Swivel Operating Spring Stud Washer.....	15086
49	Swivel Operating Spring Pin.....	15087
50	Swivel Operating Spring Pin Washer.....	9140
51	Stationary Wire Cutter (Flat Bookbinders and Round Wire — specify wire size) 3/8.....	15100
	Stationary Wire Cutter (Flat Bookbinders and Round Wire — specify wire size) 1/2.....	15100
	Stationary Wire Cutter (Flat Bookbinders and Round Wire — specify wire size) 5/8, 3/4.....	15600
52	Stationary Wire Cutter Binder Screw.....	15102
53	Sliding Wire Cutter 3/8.....	19594
	Sliding Wire Cutter 1/2.....	15104
	Sliding Wire Cutter 5/8, 3/4.....	15104
54	Wire Cutter Slide 3/8.....	19113A
	Wire Cutter Slide 1/2.....	19113A
	Wire Cutter Slide 5/8, 3/4.....	19613A
55	Wire Cutter Slide Pin.....	15118
56	Wire Cutter Slide Friction.....	15116B
57	Wire Cutter Slide Friction Spring.....	7224
58	Wire Cutter Slide Friction Spring Rivet.....	5037
59	Wire Cutter Slide Catch Screw.....	15110
60	Finger Guard.....	320
61	Finger Guard Screw.....	UA3304.1
62	Wire Str. Roll (for wire .035 wide and under).....	9103
	Wire Str. Roll (for wire over .035 wide).....	9153
63	Wire Str. Roll Clip.....	850699
64	Wire Str. Eccentric.....	9066
65	Wire Str. Eccentric Roll.....	9065
66	Wire Str. Eccentric Nut.....	9067
67	Wire Str. Eccentric Bushing.....	9068
68	Wire Str. Eccentric Spring.....	9069
69	Wire Str. Eccentric Pointer.....	9070
THE FOLLOWING PARTS ARE SHOWN ON SHEET 2 OF FIGURE 10		
70	Bender Bar (Flat Bookbinders and Round Wire — specify wire size) 3/8.....	19522A
	Bender Bar (Flat Bookbinders and Round Wire — specify wire size) 1/2.....	15022A
	Bender Bar (Flat Bookbinders and Round Wire — specify wire size) 1/2.....	19022A
	(for 20 x 24 wire — can be used for 20 x 25, 21 x 25, and #24 through #30 Round Wire)	
	Bender Bar (Flat Bookbinders and Round Wire — specify wire size) 5/8.....	15522A
	Bender Bar (Flat Bookbinders and Round Wire — specify wire size) 3/4.....	15622A
71	Grip Holder Stud.....	15033
72	Bender Slide.....	19024
73	Bender Slide Spring.....	19025
74	Bender Slide Extension.....	19026
75	Bender Slide Connection Block.....	19027
76	Supporter 3/8.....	19553A
	Supporter 1/2.....	19053A
	Supporter 5/8.....	15553A
	Supporter 3/4.....	15653A
77	Supporter Guide Pin.....	15055
78	Supporter Pivot Pin.....	15054
79	Supporter Spring.....	15056
	Supporter Spring.....	281
	(For use with Bender Bars and Drivers special to #25 Round Wire and smaller)	
80	Supporter Spring Plunger.....	15057
81	Rotating Grip.....	15127
82	Stationary Grip.....	9015
83	Grip Holder.....	15126A
84	Grip Retaining Spring Lock Pin.....	UB2106.6

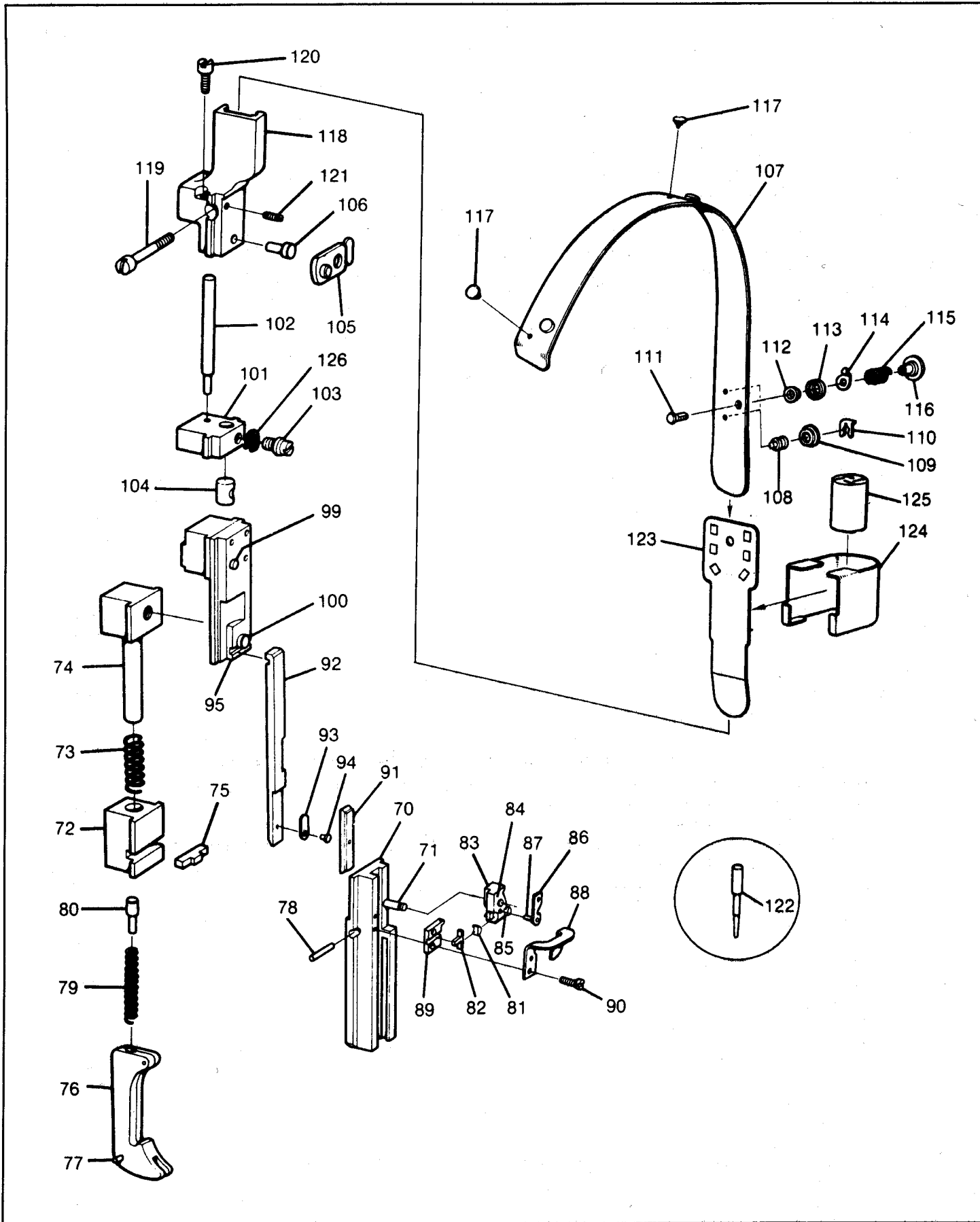


FIGURE 10 (Sheet 2)
Head Component Parts

PARTS LIST (cont'd)

INDEX NO.	NAME AND DESCRIPTION	PART NO.
85	Grip Spring Retaining Pin.....	15039
86	Grip Retaining Spring.....	15034A
87	Grip Retaining Spring Stud.....	15035
88	Grip Spring.....	15038
89	Grip Block.....	15131
90	Grip Block Screw.....	UA2208.1
91	Driver (Flat Bookbinders and Round Wire — specify wire size) 3/8.....	19511
	Driver (Flat Bookbinders and Round Wire — specify wire size) 1/2.....	15011
	Driver (Flat Bookbinders and Round Wire — specify wire size) 1/2.....	19011
	(for 20 x 24 wire — can be used for 20 x 25, 21 x 25 and #24 through #30 Round Wire)	
	Driver (Flat Bookbinders and Round Wire — specify wire size) 5/8.....	15511
	Driver (Flat Bookbinders and Round Wire — specify wire size) 3/4.....	15611
92	Driver Bar 3/8.....	19515A
	Driver Bar 1/2, 5/8, 3/4.....	15015DA
93	Driver Retaining Spring.....	9010
94	Driver Retaining Spring Rivet.....	5037
95	Driving Slide Assembly.....	19017A
96	—
97	—
98	—
99	Driving Slide Swivel Operating Pin.....	19020
100	Driving Slide Stud.....	19021
101	Face Plate Adjusting Slide 3/8.....	19597
	Face Plate Adjusting Slide 1/2, 5/8, 3/4.....	15097B
102	Face Plate Adjusting Slide Guide Pin.....	15098
103	Face Plate Adjusting Screw.....	15088
104	Face Plate Adjusting Screw Nut 3/8.....	19598
	Face Plate Adjusting Screw 1/2, 5/8, 3/4.....	15089
105	Grip Release Lever.....	15046BA
106	Grip Release Lever Pilot.....	15048
107	Wire Guide Spring (Flat Bookbinders and Round Wire).....	15150A
108	Wire Str. Roll Stud.....	9147
109	Wire Str. Roll (for wire .035 wide and under).....	9103
	Wire Str. Roll (for wire over .035 wide).....	9153
110	Wire Str. Roll Clip.....	850699
111	Wire Str. Eccentric.....	9146
112	Wire Str. Eccentric Bushing.....	9068
113	Wire Str. Eccentric Roll.....	9065
114	Wire Str. Eccentric Pointer.....	9070
115	Wire Str. Eccentric Spring.....	9069
116	Wire Str. Eccentric Nut.....	9067
117	Wire Guide Spring Stud.....	2110B
118	Wire Guide Spring Bracket.....	15154
119	Wire Guide Spring Bracket Screw.....	15155
120	Wire Guide Spring Bracket Adj. Screw.....	15156
121	Wire Guide Spring Bracket Adj. Screw Binder.....	56
122	Driver Release Pin.....	5160
123	Staple Wire Oiler Plate.....	2165
124	Oiler Felt Retainer.....	2166
125	Oiler Felt.....	2167
126	Face Plate Adjusting Screw Lockwasher.....	LW14.6

NUMERICAL INDEX

The following index lists all the parts numerically, according to part number. The first column lists the part numbers; the second column gives the name of each part; the third column gives the part index number identifying the part in Figure 12.

PART NO.	NAME	INDEX NO.
56	Wire Guide Spring Bracket Adj. Screw Binder.....	121
174	Spool Stud Washer — Small.....	5
257	Tension Roll Block Rivet.....	14
281	* Supporter Spring.....	79
320	Finger Guard.....	60
2110B	Wire Guide Spring Stud.....	117
2165	Staple Wire Oiler Plate.....	123
2166	Oiler Felt Retainer.....	124
2167	Oiler Felt.....	125
2245	Spool Stud Washer — Large.....	4
5037	Wire Cutter Slide Friction Spring Rivet.....	58
5037	Driver Retaining Spring Rivet.....	94
5062	Tension Roll Spring Rod Retainer.....	24
5160	Driver Release Pin.....	122
7155	Spool Stud.....	3
7180	Tension Roll Spring.....	22
7224	Wire Cutter Slide Friction Spring.....	57
7232	Swivel Hook.....	30
7233	Swivel Hook Pin.....	31
7234	Swivel Hook Spring.....	32
9010	Driver Retaining Spring.....	93
9015	Stationary Grip.....	82
9055	Tension Roll Spring Rod Guide Rivet.....	16
9057	Swivel Operating Lever Stud Screw.....	45
9059	Swivel Operating Lever Stop Stud.....	17
9065	Wire Straightener Eccentric Roll.....	65
9065	Wire Straightener Eccentric Roll.....	113
9066	Wire Straightener Eccentric.....	64
9067	Wire Straightener Eccentric Nut.....	66
9067	Wire Straightener Eccentric Nut.....	116
9068	Wire Straightener Eccentric Bushing.....	67
9068	Wire Straightener Eccentric Bushing.....	112
9069	Wire Straightener Eccentric Spring.....	68
9069	Wire Straightener Eccentric Spring.....	115
9069	Wire Straightener Eccentric Spring.....	115
9070	Wire Straightener Eccentric Pointer.....	69
9070	Wire Straightener Eccentric Pointer.....	114
9103	Wire Straightener Roll (wire .035 wide and under).....	62
9103	Wire Straightener Roll (wire .035 wide and under).....	109
9123	Wire Straightener Roll Stud.....	12
850699	Wire Straightener Roll Clip.....	63
850699	Wire Straightener Roll Clip.....	110
9140	Swivel Operating Spring Pin Washer.....	50
9146	Wire Straightener Eccentric.....	111
9147	Wire Straightener Roll Stud.....	108
9153	Wire Straightener Roll (wire over .035 wide).....	109
9153	Wire Straightener Roll (wire over .035 wide).....	62
14596	Head Guard.....	24
14597	Upper Stud.....	20A
14598	Lower Stud.....	39
15001BA	Bonnet 3/8, 1/2.....	1
15001BA 3/4	Bonnet 5/8, 3/4.....	1
15011	Driver (Flat Bookbinders and Round Wire — specify wire size) 1/2.....	91
15015DA	Driver Bar 1/2, 5/8, 3/4.....	92
15022A	Bender Bar (Flat Bookbinders and Round Wire — specify wire size) 1/2.....	70
15033	Grip Holder Stud.....	71
15034A	Grip Retaining Spring.....	86
15035	Grip Retaining Spring Stud.....	87
15038	Grip Spring.....	88
15039	Grip Retaining Spring Pin.....	85
15045	Grip Release Slide 3/8.....	25
15045	Grip Release Slide 1/2.....	25
15046BA	Grip Release Lever.....	105
15048	Grip Release Lever Pivot.....	106
15054	Supporter Pivot Pin.....	78
15055	Supporter Pivot Pin.....	77
15056	Supporter Spring.....	79
15057	Supporter Spring Plunger.....	80
15062	Supporter Guide Plate Screw.....	27
15069	Swivel Safety Pin.....	33

* For Use With Bender Bars and Drivers Special to #25 Round Wire and Smaller

NUMERICAL INDEX (cont'd)

PART NO.	NAME	INDEX NO.
15072B	Swivel Holder 1/2, 5/8, 3/4.....	34
15075	Swivel Holder Dowel.....	38
15076	Swivel Holder Guard.....	35
15086	Swivel Operating Spring Stud Washer.....	48
15087	Swivel Operating Spring Pin.....	49
15088	Face Plate Adj. Screw.....	103
15089	Face Plate Adj. Screw Nut 1/2, 5/8, 3/4.....	104
15090A	Swivel Holder Clamp.....	37
15092B	Face Plate Clip.....	19
15097B	Face Plate Adj. Slide 1/2, 5/8, 3/4.....	101
15098	Face Plate Adj. Slide Guide Pin.....	102
15100	Stationary Wire Cutter (Flat Bookbinders and Round Wire) 3/8.....	51
15100	Stationary Wire Cutter (Flat Bookbinders and Round Wire) 1/2.....	51
15102	Stationary Wire Cutter Binder Screw.....	52
15104	Sliding Wire Cutter 1/2.....	53
15104	Sliding Wire Cutter 5/8, 3/4.....	53
15106	Wire Cutter Holder Rivet.....	10
15110	Wire Cutter Slide Catch Screw.....	59
15116B	Wire Cutter Slide Friction.....	56
15118	Wire Cutter Slide Pin.....	55
15126A	Grip Holder.....	83
15127	Rotating Grip.....	81
15131	Grip Block.....	89
15150A	Wire Guide Spring (Flat Bookbinders and Round Wire).....	107
15154	Wire Guide Spring Bracket.....	118
15155	Wire Guide Spring Bracket Screw.....	119
15156	Wire Guide Spring Bracket Adj. Screw.....	120
15161	Spool Stud Bracket.....	6
15511	Driver (Flat Bookbinders and Round Wire — specify wire size) 5/8.....	91
15522A	Bender Bar (Flat Bookbinders and Round Wire — specify wire size) 5/8.....	70
15553A	Supporter 5/8.....	76
15565A	Swivel 5/8.....	29
15600	Stationary Wire Cutter (Flat Bookbinders and Round Wire) 5/8, 3/4.....	51
15605B	Wire Cutter Holder 5/8, 3/4.....	9
15611	Driver 3/4.....	91
15622A	Bender Bar (Flat Bookbinders and Round Wire — specify wire size) 3/4.....	70
15636DA	Face Plate (Flat Bookbinders and Round Wire) 5/8, 3/4.....	8
15645	Grip Release Slide 5/8, 3/4.....	25
15653A	Supporter 3/4.....	76
15661	Supporter Guide Plate 5/8, 3/4.....	26
15665A	Swivel 3/4.....	29
19011	Driver (for 20 x 24 wire can be used for 20 x 25, 21 x 25, and #24 thru #30 Round Wire) 1/2.....	91
19017A	Driving Slide Assembly.....	95
19020	Driving Slide Swivel Operating Pin.....	99
19021	Driving Slide Stud.....	100
19022A	Bender Bar (for 20 x 24 wire can be used for 20 x 25, 21 x 25 and #24 thru #30 Round Wire) 1/2.....	70
19024	Bender Slide.....	72
19025	Bender Slide Spring.....	73
19026	Bender Slide Extension.....	74
19027	Bender Slide Connection Block.....	75
19053A	Supporter 1/2.....	76
19061	Supporter Guide Plate 3/8, 1/2.....	26
19065A	Swivel 1/2.....	29
19078A	Swivel Operating Lever 1/2.....	40
19078A	Swivel Operating Lever 5/8, 3/4.....	40
19079	Swivel Operating Lever Stud.....	43
19080	Swivel Operating Lever Pin.....	41
19081	Swivel Operating Lever Hub.....	42
19084A	Swivel Operating Spring.....	46
19085	Swivel Operating Spring Stud.....	47
19113A	Wire Cutter Slide 3/8, 1/2.....	54
19121	Wire Tension Roll (for wire under .030 thick).....	21
19121B	Wire Tension Roll (for wire .030 thick and over).....	21
19122B	Wire Tension Roll Stud.....	11
19135FA	Face Plate (Flat Bookbinders and Round Wire) 1/2.....	8
19142	Tension Roll Block.....	13
19147A	Tension Roll Spring Rod.....	23
19148	Tension Roll Spring Rod Guide.....	15
19511	Driver (Flat Bookbinders and Round Wire — specify wire size) 3/8.....	91
19515	Driver Bar 3/8.....	92
19522A	Bender Bar (Flat Bookbinders and Round Wire — specify wire size) 3/8.....	70
19553A	Supporter 3/8.....	76
19565A	Swivel 3/8.....	29
19591DA	Face Plate (Flat Bookbinders and Round Wire) 3/8.....	8
19593	Swivel Holder 3/8.....	34

NUMERICAL INDEX (cont'd)

PART NO.	NAME	INDEX NO.
19594	Sliding Wire Cutter 3/8.....	53
19597	Face Plate Adj. Slide 3/8.....	101
19598	Face Plate Adj. Screw Nut 3/8.....	104
19599	Swivel Operating Lever 3/8.....	40
19613A	Wire Cutter Slide 5/8, 3/4.....	54
85018	Wire Tension Roll Retainer.....	18
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LW14.6	Face Plate Adjusting Screw Lock Washer.....	126
PW10	Plain Washer.....	20B
UA2208.1	Grip Block Screw.....	90
UA3304.1	Finger Guard Screw.....	61
UA3408.9	Face Plate Clip Screw.....	20
UA3410.1	Swivel Holder Guard Screw.....	36
UA5812.11	Spool Stud Bracket Screw.....	7
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UB3108.1	Grip Release Slide Stop Pin.....	2
WN1420	1/4 Wing Nut.....	20C

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