

Ace
STRIP CUTTER
INSTRUCTION MANUAL
AND
PARTS-LIST
FOR
MODEL
C-150N

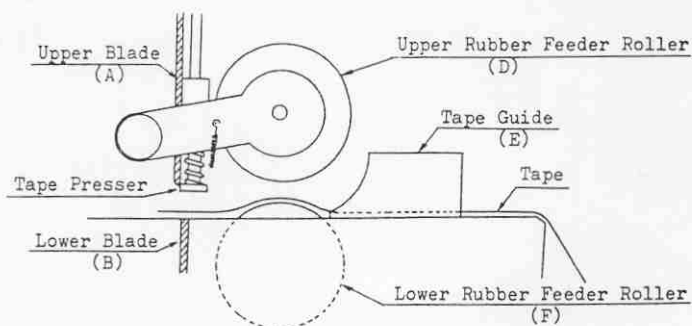
DISTRIBUTED BY:

LITHO IN USA-G

Ace

PREPARATION:

1. For cutting the tape wound in a roll shape, pass the Shaft through the Roll and guard both sides of it with cardboard paper or galvanized iron pieces to facilitate the unwinding of the roll freely and steadily.
2. The tape Guide (E) in front of the Rubber Feeder Roller can be adjusted to set the desired width of the tape to be cut.
3. The Upper Feeder Roller (D) can be raised by hand. Place the tape between the Upper and Lower Rubber Feeder Rollers (F) and pull the head of the tape a little over the Cutting Blades (A) & (B). (As the upper roller is linked to a spring, it will automatically come back to its original position once it is released.)



JOHN HARB
SEWING MACHINE CO., INC.
INDUSTRIAL

2614 S. MAIN STREET, LOS ANGELES, CA 90007
TEL# (213) 747-7868 · FAX# (213) 747-1377

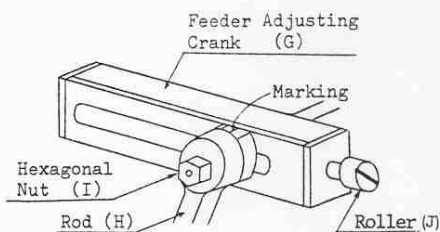
4. The Upper cutting Blade will sometimes drop down when the tape passing through, so hindering the tape's movement.
Immediately turn on the Starting Switch, or, to wind up the Decelerating Pulley (fixed with the Grease Cup) with hand, the Upper Cutting Blade will punctually rise up again.

STARTING:

5. After the above preparation, turn on the Starting Switch.
6. As the first cutting will usually not give the exact required measurement, so try to waste as little as possible the tape by passing it in front of the blade by applying a light pressing with hand when the switch is turned on. Release hand promptly after the first cutting.
7. From the second cutting, it will go on correctly as set.

ADJUSTING TAPE LENGTH FOR CUTTING:

1. The Hexagonal Nut (I) fixing the Rod (H) with the Feeder Adjusting Crank (G) can be unfastened with a spanner by turning left-wise.
(Crank is at left end of the Main Shaft).



ADJUSTING, ASSEMBLING AND DISASSEMBLING CUTTING BLADES:

When the cutting does not appear good, tighten the 4 screws slightly by turning them clock-wise. The screws push the upper blade through the spring.

When the blades become blunt after long use, remove and sharpen.

1) Disassembling Cutting Blades:

- a) Upper Blade Press the upper Blade to the lowest position and lift the Upper Feeder Roller by hand, then loosen the screws under the roller with a Driver for setting free the Upper Blade.
- b) Lower Blade After taking off the Slanting Plate, loosen the two screws below it, then the Lower Blade can be taken off.

2) Assembling Cutting Blades:

By doing the reverse of the above ways. The Upper surfaces of the Lower Blade and Cutting Stand should be set on the same level. (Other wise, if the lower blade is higher than the cutting stand, the tape can not pass on.)

As the cutting is done through the lowering of the Upper Blade, hence, it should drop down sufficiently (as scissors cut).

ADJUSTING TAPE PRESSER:

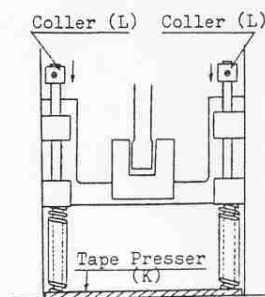
The Tape Presser (K) moves together with the Upper Blade.

It presses on the tape just before the cutting motion and rises up soon after the cutting and before the rollers beginning to revolve.

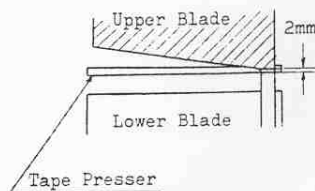
When the Tape Presser (K) interferes with the movement of the tape while the rollers revolve, the position of the Tape Presser must be raised a little.

The way to do so is:

Lower down a little the
Collar (L) at the upper end
of the Shaft of the Tape
Presser, when the upper blade
is at the down position.



The Standard Position of the
Tape Presser should be as
illustrated (in drawing) that
shows, a looking from inside
the cutting blades.



OTHER POINTS:

Depending on the tape's quality, when the cut-off tapes will not slide down from the Slope Plate, take the plate off and the tapes will come down smoothly.

It is advisable to oil the machine once everyday. To do so is to pump oil into the hole marked in RED.

HOW TO OPERATE FOR -WP MODELS

Pull Rollers and Feed Rollers are connected with a chain and revolve at the same speed.

Stop Bar is raised with tensed material, it operate the Micro Switch (M) See Figure No. 1 and shut off machine automatically.

Material should be placed with full loosening as per Figure No. 2

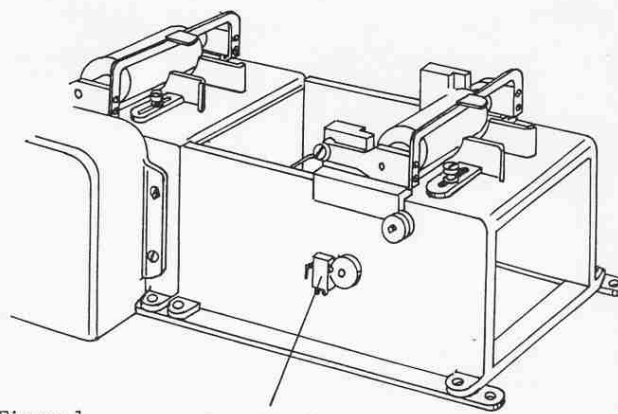


Figure 1

Micro Switch
(MSLP-10)

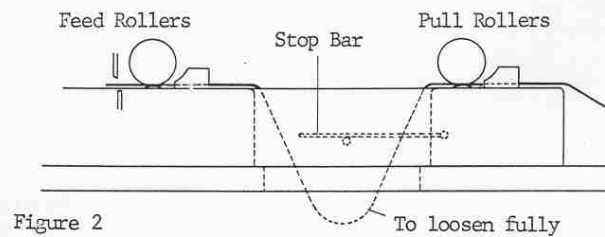


Figure 2

To loosen fully

HOW TO ADJUST THE STACKING DEVICE IN SC MODELS

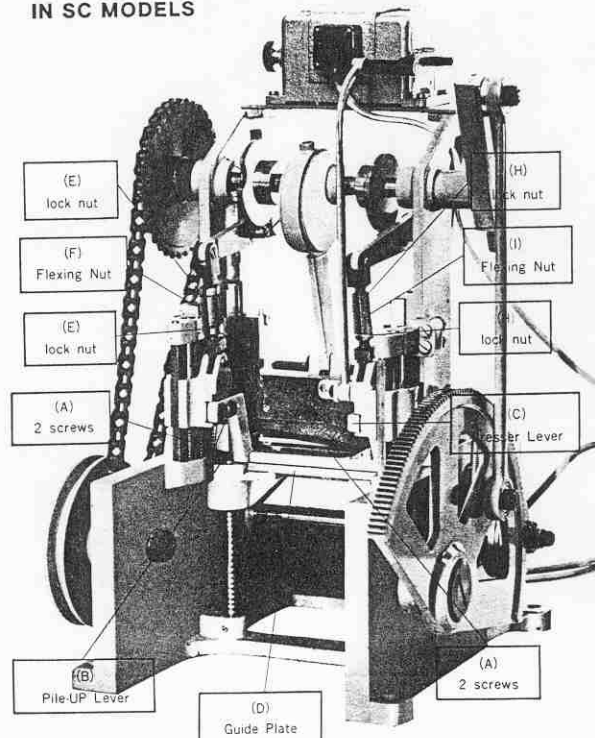
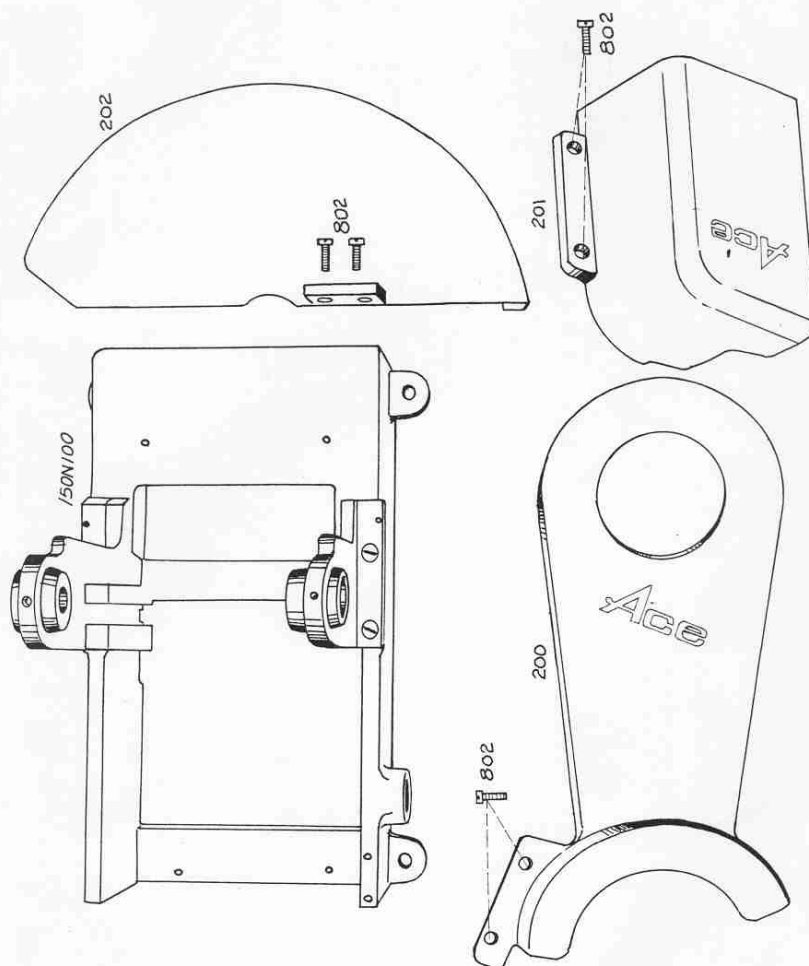


Figure No.3

The Stacking Device on this machine has been set in perfect position for stacking material weights of $7/32''$. For cutting heaview materials than $1/32''$ it is necessary to provide more space between the upper blade and the Pile-Up Lever; also to make more space between the Pile-Up Lever and the Presser Lever. To do this make the following simple adjustment (see figure No. 3).

1. Loosen the 4 screws (A).
2. Pull forward Pile-Up Lever (B) and also Presser Lever (C).
3. Tighten the 4 screws (A).

After machine is adjusted for proper cutting and proper thickness of material, if the first or second cut comes through curled, this is due to the Guide Plate (D) being too high. To lower Guide Plate loosen the two lock nuts (E) on the Flexing Nut (F). Now turn the Flexing Nut clock-wise and bring it down slightly, this will lower the Guide Plate. A firm pressure should be maintained between the Presser Lever (C) and the Guide Plate (D). To do this the Presser Lever (C) on the right side can be adjusted in the same manner as above the loosening the lock nuts (H) and bringing down Flexing Nut (I). This will apply a firm pressure between the Presser Lever and the Guide Plate. However, in order to make this adjustment first turn by hand the V pulley hand wheel and bring Guide Plate up to the level of the Presser Lever, then adjust Flexing Nut (I) to a slight tension so that it gently but firmly touches the lever. Then re-tighten nuts.

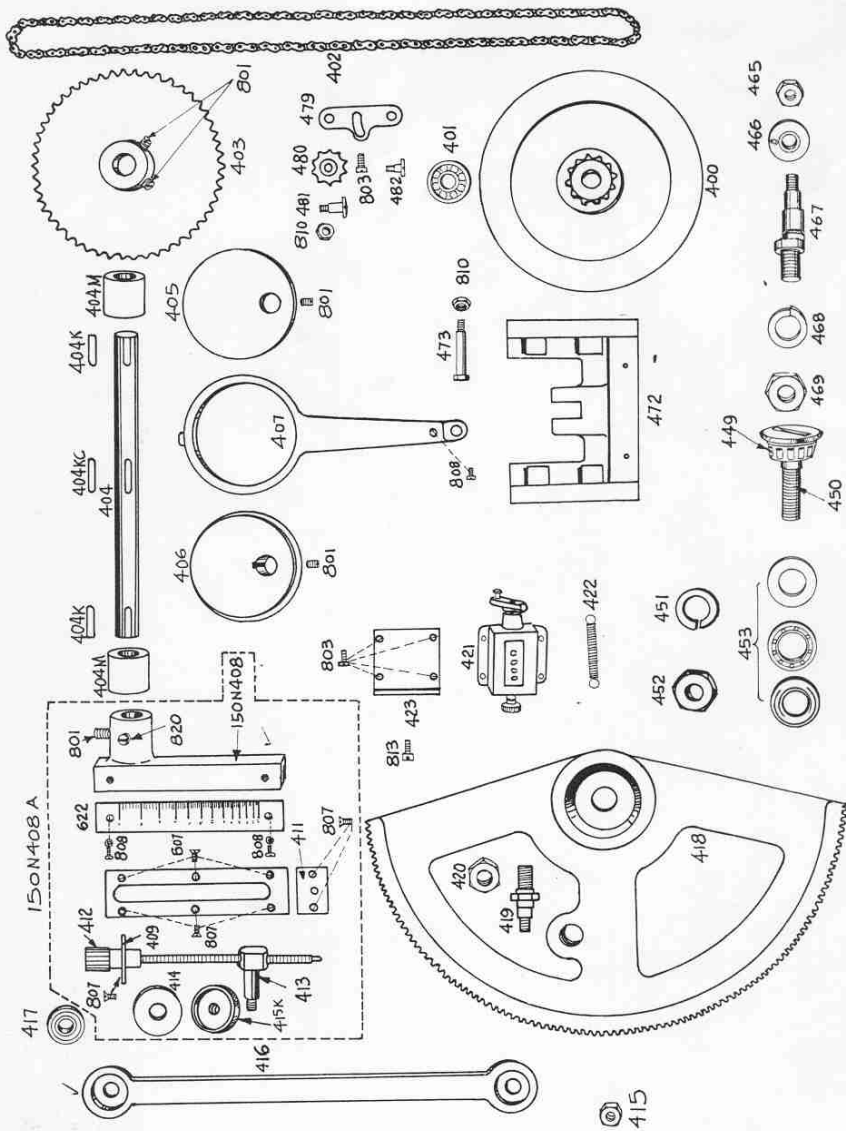


Part No.	Description	Set screw No.
150N100	Base	802
200	Chain cover	802
201	Feed gear cover	802
202	Large gear cover	802

Part No.	Description	Set screw No.	Part No.	Description	Set screw No.
400	Sprocket pulley		473	Upper knife rod pin	810
401	Bearing for sprocket pulley		479	Idle sprocket arm	803
402	Chain		480	Idle sprocket	
403	Crank shaft chain gear	801	481	Idle sprocket set nut	
404	Crank shaft		482	Idle sprocket arm set	
404M	Crank shaft bushing			screw	
404K	Crank shaft key		622	Measure	808
404KC	Crank shaft key (center)				
405	Upper knife cam plate	801			
406	Upper knife cam	801			
407	Upper knife rod				
150N408	Feed crank	801			
150N408A	Feed crank complete	807			
409/412	Measuring screw w/ support plate				
410	Measuring plate	807			
411	Feed crank side plate	807			
413	Feed rod moving axle				
414	Feed rod position plate				
415	Hex nut				
415K	Feed rod knob (crank side)				
416	Feed rod				
417	Bearing for feed rod				
418	Large gear				
419	Feed rod fixing axle				
420	Feed rod nut(large gear side)	808			
421	Counter				
422	Counter spring				
423	Counter base	813			
449	Large gear axle				
450	Taper bearing for large gear				
451	Large gear axle washer				
452	Large gear axle nut				
453	Thrust bearing for large gear				
465	Sprocket pulley set nut				
466	Sprocket pulley bearing plate				
467	Sprocket pulley eccentric axle				
468	Sprocket pulley eccentric axle washer				
469	Sprocket pulley eccentric axle set nut				

ILLUSTRATIONS ON PAGE 10

310-

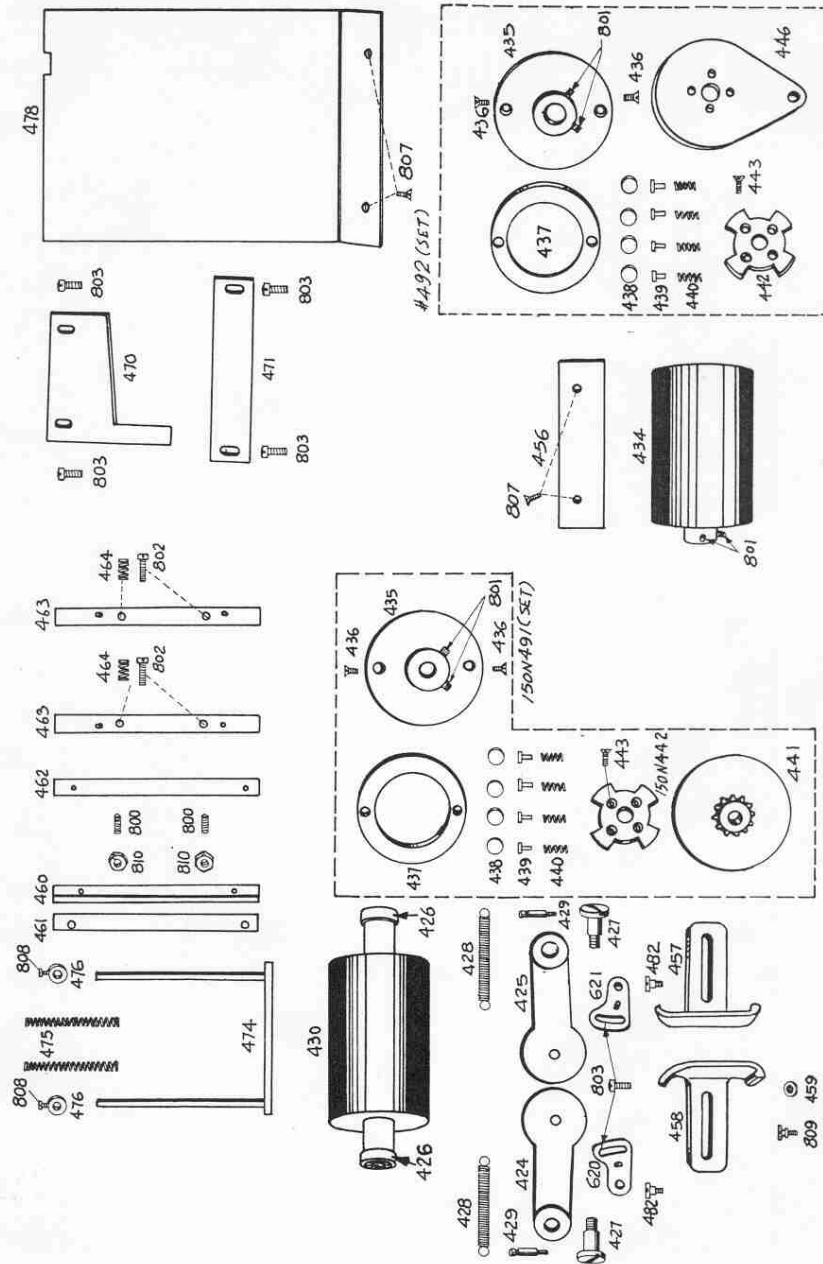


DESCRIPTIONS ON PAGE 9

Part No.	Description	Set screw No.	Part No.	Description	Set screw No.
424	Upper roller arm(left)		476	Strip material presser	808
425	Upper roller arm(right)			regulating collar	
426	Bearing for upper roller		150N505	Feed retaining drum plate	
427	Upper roller arm set screw			set screw	
428	Upper roller tension spring		478	Shoot plate	807
429	Upper roller tension spring pin				
430	Upper roller		482	Spring adjusting plate	807
434	Lower roller	801		set screw	
435	One way clutch plate	801	150N491	One way clutch complete	
436	One way clutch plate set screw			set	
437	One way clutch ring		492	Feed retaining drum complete	
438	One way clutch roller			set	
439	One way clutch roller pin		620	Spring adjusting plate(left)	
440	One way clutch roller spring		621	Spring adjusting plate(right)	
441	One way clutch feed gear				
150N442	One way clutch cam				
443	One way clutch cam set screw				
445	Feed retaining drum	801			
446	Feed retaining drum plate				
447	Feed retaining drum ring				
448	Feed retaining drum cam				
456	Guide plate				
457	Strip material guide(right)	807			
458	Strip material guide(left)	809			
459	Strip material guide fixing washer	809			
460	Upper knife base slide	800			
	plate(side)	810			
461	Upper knife base slide				
	plate(right)				
462	Upper knife base slide				
	plate(left)				
463	Upper knife Pushing plate				
464	Upper knife Pushing plate				
470	Upper knife Pushing spring				
471	Upper knife				
474	Lower knife				
475	Strip material presser				
	Strip material presser spring				

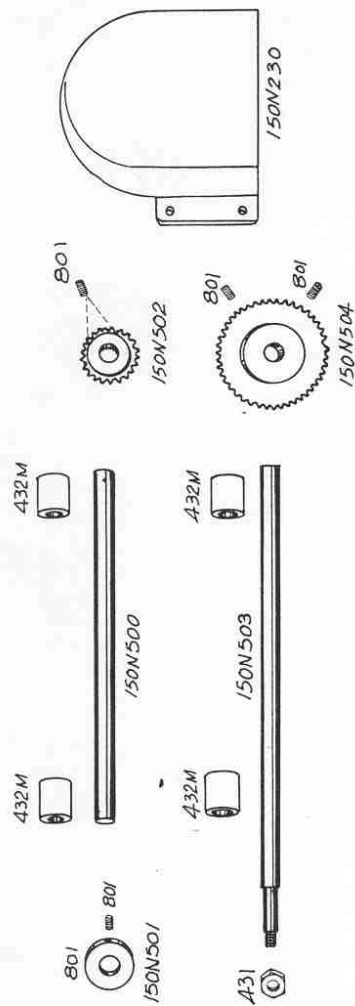
ILLUSTRATIONS ON PAGE 12

36 30 16 35



150N505

DESCRIPTIONS ON PAGE 11



Part No.	Description	Set screw No.
150N230	Feed retaining drum cover	802
431	Lower roller shaft nut	
432M	Lower roller shaft bushing	
150N500	Lower roller shaft	
150N501	Lower roller shaft fixing collar	801
150N502	Lower roller shaft gear	801
150N503	Feed gear shaft	
150N504	Feed connecting gear	801

