

IDEAL STITCHER COMPANY
Division of W.R. Pabich Mfg.
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BOSTITCH

Models H & J Box Stitchers

equipped with Wrap Spring Electric Clutch
and BH Series Wire Stitcher Head

Models H-AW, HG-AW, J-AW with motor - 115V and 60HZ service
Model HG-BW with motor - 240V and 50HZ service
Models H-CW, HG-CW without motor - 115V and 60HZ service
Model H-EW without motor - 240V and 50HZ service

▲ WARNING:

STITCHER OPERATORS AND OTHERS IN THE WORK AREA SHOULD ALWAYS WEAR SAFETY GLASSES TO PREVENT SERIOUS EYE INJURY FROM WIRE AND FLYING DEBRIS WHEN LOADING, OPERATING, OR UNLOADING THIS STITCHER.

DO NOT OPERATE THIS STITCHER UNTIL ALL GUARDS ARE IN PLACE.

ALWAYS TURN OFF THE POWER SUPPLY BEFORE MAKING ADJUSTMENTS OR SERVICING THIS STITCHER.

NEVER OPERATE THIS STITCHER WITH WIRE FEEDING AND NO STOCK ABOVE THE CLINCHERS.

WHEN OPERATING THIS STITCHER DO NOT DRIVE ONE STITCH ON TOP OF ANOTHER.

OPERATION and MAINTENANCE MANUAL

▲ WARNING:

BEFORE OPERATING THIS STITCHER, STUDY THE MANUAL AND UNDERSTAND THE SAFETY WARNINGS AND INSTRUCTIONS. IF YOU HAVE ANY QUESTIONS, CONTACT YOUR STANLEY-BOSTITCH REPRESENTATIVE OR DISTRIBUTOR. SAVE THESE INSTRUCTIONS FOR FUTURE REFERENCE.

STANLEY BOSTITCH

Stanley Fastening Systems

INSTALLATION

The machine may be seriously damaged during installation if not properly set up; therefore, comply with the following procedure. After uncrating machine, examine for any breakage in transit. If any, do not attempt to run machine but report at once to the carrier and selling agent.

Examine name plate on motor and see that specifications are the same as those of the power supply. IF NOT, DO NOT ATTEMPT TO OPERATE THE MACHINE.

Place machine on a level floor. Shim under base to prevent any movement or rocking.

Lower clincher to at least 2" (50.8mm) below the stitcher head by means of adjusting sleeve on post type stitcher, or clincher arm adjusting screw on arm type stitcher.

Be sure that the machine is oiled thoroughly before operating (refer to Lubrication Instructions).

Connect motor cord to power outlet and start motor. See that it runs freely, without undue noise, and that the large pulley rotates counter-clockwise as viewed from the rear of the machine. If it rotates clockwise, motor wiring should be re-connected by an electrician in order to reverse direction of rotation.

BELT GUARD REMOVAL AND ASSEMBLY

▲ WARNING: Always turn off the power supply before making adjustments or servicing these stitchers.

To remove the plastic belt guard, press in on one side tab while prying out locking face. This will release the first tab. Next, pull down slightly on top of guard to release bottom tab. Guard will now be free to lift off remaining tabs on mounting plate.

To reassemble, interlock the top tab and one side tab. Pull down slightly on top of guard to interlock bottom tab, then squeeze mounting plate and guard together to lock remaining tab, completing assembly.

OPERATION

▲ WARNING: Always turn off the power supply before making adjustments or servicing these stitchers.

Press foot treadle on post stitchers or foot switch on arm stitchers to start machine operation. Start and stop several times.

Stop motor and turn pulley by hand (*see Turning Machine Manually, page 4*) until driver is at lowest point.

With driver in lowest position and work to be stitched under it, raise clincher post, or arm, until work is held firmly. Then lock post, or arm, in position.

Place a spool of proper size wire on spoolholder, the wire leading to the left from top of spool, then tighten spoolholder spindle jam nut enough to give a slight drag to the rotation of spool to prevent wire uncoiling.

If too tight, the wire will bind and catch between coils thus causing uneven staple legs. If too loose, the spool may unwind, causing snags.

Cut binding wires on wire coil and bend back over edge of spool, holding free end of wire to prevent unwinding and tangling. Cut off bent and twisted end of wire, then straighten out about 6". The end of the wire to be inserted in machine must be as straight as possible.

Open wire feed gears by raising idler feed gear throwout handle and insert end of wire through eye on upper end of the spring wire guide. Enter the end of the wire into the upper wire tube, push down between the wire feed gears, then through the lower wire tube and between wire straightener rolls. Push it into hole in the stationary cutter, raising the end of the wire slightly if necessary for proper entrance, then turn down the idler feed gear throwout handle to engage the feed gears.

▲ WARNING: Never operate this stitcher with wire feeding and no stock above the clinchers.

Start motor and drive a few stitches into material and, if necessary, adjust clincher height to get desired tightness of clinching. See instructions for adjusting clincher.

Adjust for proper length of wire by loosening lock screw and moving wire feed guard casting to right or left along gauge marks on upper part of head casting. Moving to left reduces wire draw while moving to right increases it. When proper length of wire is drawn, tighten lock screw.

Drive several rows of stitches into material to be used, examine crown and legs. If not satisfactory adjust machine in accordance with directions given hereafter.

ADJUSTMENTS

▲ WARNING: Always turn off the power supply before making adjustments or servicing this stitcher.

Wire spool tension:

This should be adjusted by means of adjusting nut (94H3) so that the spool just drags on the support. If too tight, the wire will bind and catch between coils to cause uneven staple legs. If too loose, the spool may unwind, causing snags in the wire.

CLUTCH - BRAKE UNIT MAINTENANCE

⚠ WARNING: Always turn off the power supply before making adjustments or servicing these stitchers.

This stitcher is equipped with a solenoid actuated wrap-spring clutch-brake unit. It is a dependable device that seldom needs service, but should a malfunction occur, the following information will serve as a service and troubleshooting guide for maintenance of this unit.

1. Clutch and brake springs

With the brake engaged (full limit of output), the input hub should be free to rotate by hand. With the clutch engaged, the input and output should rotate together. If the unit does not rotate in either of these modes, the clearance between the hubs of the unit on the shaft may have been disturbed by dropping or hammering the unit on the shaft and assembly.

See Assembly and Disassembly instructions for readjusting.

Listed below are additional checks to be made if the clutch does not function correctly.

Problem	Cause and Remedy
1. Clutch brake does not drive but input turns	<p>A. Drive spring may be broken at cross-point from an overload caused by a jam. Replace spring and check hubs for damage.</p> <p>B. Collar may not snap forward because of foreign matter restricting movement. Clean unit.</p> <p>C. Actuator does not pull in. (See "Actuator").</p>
2. Clutch-brake jams and stalls input motor.	<p>A. Spring tang broken off drive spring, not allowing clutch to disengage while brake is engaged. Replace drive spring.</p> <p>B. Clutch output bound up. Check clearance between output hub and brake hub.</p> <p>C. Completely out of adjustment caused by losing an internal spring tang. Replace spring.</p>
3. Output does not repeat stopping point.	<p>A. Not enough inertia to actuate brake.</p> <p>B. Tang broken off brake spring. Replace spring.</p>

2. Actuator

The actuator is a simple straightforward mechanical linkage. When the actuator does not trip the following checks should be made.

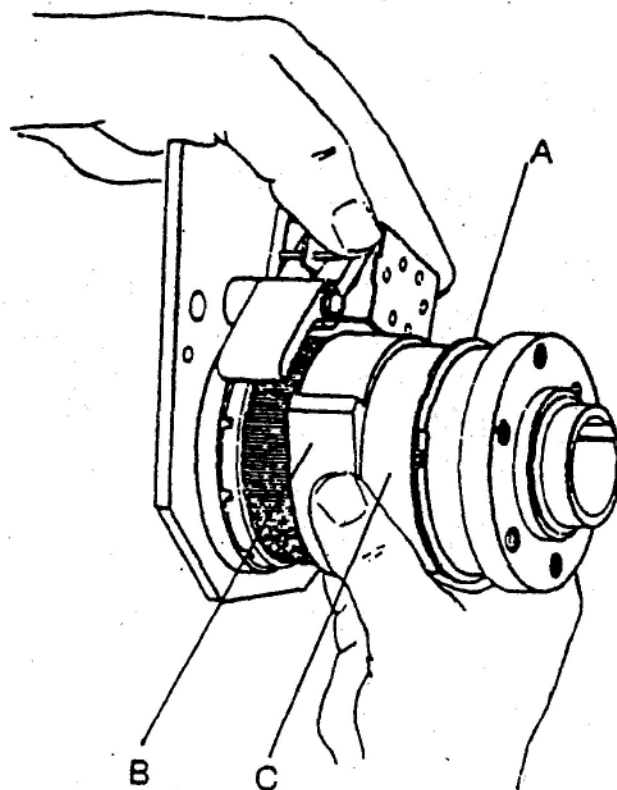
Problem	Cause and Remedy
1. No power to the coil.	A. If no power to the coil, check all wiring and switching in the system that actuates the clutch.
2. Lack of continuity of the coil windings.	A. If no continuity, replace the coil.
3. Mechanical binding of the plunger.	A. Plunger binding may be caused by the shifting of the coil or mushrooming of plunger end due to striking the back stop. In the latter case the plunger may be turned or filed to its true diameter. Readjust to provide .010 to .030 clearance between the actuator and the cam high point.
4. Insufficient clearance of the actuator over the stop collar.	A. No clearance over the stop collar dent would be caused by lack of continuity of the linkage or misadjustment of the coil. Repair or adjust as needed.
5. Actuator loaded by the stop collar, in which case the collar pushes so hard on the actuator that it cannot be pulled by the coil.	A. Actuator loading can be caused by the braking force exceeding the limits of the brake or the differential setting of the unit being too close, i.e., CLUTCH ON, BRAKE ON. (See instructions of setting on Assembly and Disassembly instructions.)

3. Control Collar Adjustment

The stopping position of the head can be changed if necessary by adjusting the position of the stop cam on the control collar sleeve. Turn power off, trip clutch by hand (see *Turning Machine Manually*, page 4) and rotate drive pulley until driver is in desired stopping position then proceed as follows:

- Work retaining ring "A" out of groove and slide forward on sleeve "C" (see illustration below).
- Slide cam "B" off splines, rotate to desired relationship of stop to shaft keyway, and slide back on splines. The actuator pawl will have to be held clear during this operation.
- Slide retaining ring back into groove.

NOTE: Make sure brake is locked up before proceeding to insure getting proper stop point.



4. Lubrication

The clutch-brake unit is designed with the bearing parts made from sintered metal that has been impregnated with oil and normally does not need to be relubricated. In cases where there is severe duty or the environment is such that it may wick out oil, wash off oil, or fill the clutch with foreign matter, the unit may be re-oiled or flushed out with minimal or no disassembly by using a light bearing oil as is used in manufacture (psi Part 608-1-0001.) If disassembly of the unit for cleaning and oiling is necessary, follow the detailed disassembly instructions to the point needed, flush and wipe parts in the oil to be used for relubrication. **DO NOT USE SOLVENT TO CLEAN THE PARTS.** To get more cleaning action from the oil, it may be heated while cleaning the components, but bring the parts back to ambient temperature by submerging in cool oil.

5. Disassembly

When disassembling the clutch-brake unit, always mark the spring tang locations with reference to which slots they go in if the same springs are to be used in reassembly.

⚠ WARNING: Always disconnect stitcher machine power cord from power outlet before any disassembly work.

To disassemble the clutch-brake unit it will first be necessary to remove the V-belt, pulley washer and anchor bracket. Disconnect wires from solenoid, swing anchor bracket up out of the way and carefully slide pulley and clutch off as a unit. Remove drive pulley from input hub, then:

- (a) Release actuator lever so that clutch is engaged and brake released.
- (b) Remove retaining ring and shim washer, if any, from the mounting plate end.
- (c) Remove input hub by rotating opposite to the drive direction.
- (d) Remove retaining ring and shim washer, if any, from the mounting plate end.
- (e) Remove output shaft, spring and control collar assembly by rotating output shaft in the drive direction. (DO NOT DIS-ASSEMBLE BRAKE HUB FROM MOUNTING PLATE.)
- (f) Remove control collar from the output shaft and spring assembly by extracting towards the brake spring end.

6. Assembly

- (a) Replace clutch, brake and anti-backup springs as required (assemble springs concentric and square to the output shaft).
- (b) Assemble control collar over the output shaft and spring assembly by inserting from the brake spring end (it will be necessary to extend brake spring using long-nose pliers).
- (c) Place the brake spring tang in any one of the nine (9) control collar slots at random.
- (d) Assemble output shaft, springs and control collar assembly to the mounting plate assembly by rotating output shaft in the drive direction.
- (e) Assemble retaining ring to output shaft at the mounting plate end (smooth surface facing brake hub). Check end play between hub and retaining ring with feeler gauge. There should be .004" to .011" end play. Use shim washers to adjust.
- (f) Rotate output shaft in the drive direction until it reaches a full brake position.
- (g) With the clutch spring not in slot, insert the input hub by rotating opposite to the drive direction.
- (h) Select the one of ten (10) control collar slots for the clutch spring tang that will provide a .50" to .75" circumferential overtravel of the control collar when released.

NOTE: At this point it may be necessary to reselect one (1) of the nine (9) control collar slots for the brake spring tang (release actuator level, remove clutch spring tang from slot, then move control collar axially toward the input hub end and rotate it opposite to the drive direction to pick up next slot).

- (i) Repeat step (h) until the .50" to .75" specification is achieved.
- (j) Assemble retaining ring to output shaft at the input hub end (smooth surface facing input hub). Check end play between input hub and retaining ring with feeler gauge. There should be only .002" to .006" end play on input hub.
- (k) Reassemble unit to machine.

IMPORTANT: When reassembling clutch to machine, after anchor bracket is secure, there should be no binding between the pin of anchor bracket and hole of clutch plate. Plate must be free to float on pin to prevent any binding or thrust load on rear clutch bearing. If this occurs, loosen anchor bracket screw and adjust bracket until pin is free in hole. Pin is only to prevent plate rotation.

7. Instructions for Coil Replacement

⚠ WARNING: Always turn off the power supply before making adjustments or servicing these stitchers.

1. Place the spring onto the plunger with the narrow end towards the actuator. Slide the solenoid and spacer plate onto the actuator/plunger assembly. Secure the solenoid with the cap screws and washers. DO NOT tighten more than finger tight.
2. Energize the coil and adjust the gap between the actuator and the top of the collar stop to .010" to .040" by sliding the solenoid assembly. (Note: push the collar towards the actuator to allow for collar movement). Tighten the cap screws.

Models H-AW, H-CW, and H-EW Stitchers

ITEM	PART NO.	DESCRIPTION	MODELS			ITEM	PART NO.	DESCRIPTION	MODELS		
			H-AW	H-CW	H-EW				H-AW	H-CW	H-EW
1	90H3	Spoolholder bracket	x	x	x	54	851739	Motor 60HZ - 1725 RPM	x	—	—
2	91H2	Spoolholder spindle	x	x	x	56	851741	Duplex connector - 90°	x	x	x
3	92H	Spoolholder washer	x	x	x	57	851742	Wire terminal	x	x	x
4	93H	Spring	x	x	x	58	851743	Spacer	x	x	x
5	94H2	Spoolholder lock nut	x	x	x	59	851744	Drive belt	x	x	x
6	94H3	Spindle jam nut	x	x	x	60	851745	Footswitch assembly	x	x	x
7	150H16	Body assembled	x	x	x	61	851750	Clutch brake - 115V	x	x	—
8	151HG2	Base	x	x	x		851749	Clutch brake - 240V	—	—	x
9	164H8D	Drive cam assembly	x	x	x	62	BSA56	#10 Spoolholder	x	x	x
10	165H13	Drive shaft assembly	x	x	x	63	851196	Anti short bushing	x	x	x
11	172	Drive screws	x	x	x	64	UA3308.2	10-32 x 3/8" RHMS	x	x	x
12	182H	Clincher arm pivot	x	x	x	65	UA3306.2	10-32 x 3/8" RHMS	x	x	x
13	183H	Locking pin	x	x	x	66	UA3308.2	10-32 x 1/2" RHMS	x	x	x
14	187H	Clincher arm	x	x	x	67	UA3308.3	10-32 x 1/2" RHMS, zinc	x	—	x
15	188H3	Clincher	x	x	x	68	UA4110.1	1/4-20 x 5/8" HHCS	x	x	x
16	189J2	Clincher arm adjustment screw	x	x	x	69	86035	#14 Green wire, 50"	x	x	x
17	SB604	Clincher screw	x	x	x	70	UA5114.1	5/16-18 x 7/8" HHCS	x	x	x
18	840H2	Drive shaft key	x	x	x	71	UA5116.1	5/16-18 x 1" HHCS	x	x	x
19	997H	Spoolholder lock	x	x	x	72	36794	Clutch anchor screw	x	x	x
20	1052H	Mounting plate bracket	x	x	x	73	2580S	Name plate	x	—	—
21	2349	Pulley washer screw	x	x	x		2363DS	Name plate	—	x	x
22	36792	Spacer	x	x	x	74	UA7140.1	7/16-14 x 2 1/2" HHCS	x	x	x
23	14212	Base cover	x	x	x	75	UA5124.1	5/16-18 x 1 1/2" HHCS	x	x	x
24	36671	Belt guard	x	x	x	76	UA7816.1	7/16-14 x 1" HHCS	x	x	x
25	36677	Drive pulley	x	x	x	77	UA8116.1	1/2-13 x 1" HHCS	x	x	x
26	36678	Spacer	x	x	x	78	UA8126.1	1/2-13 x 1 3/4" HHCS	x	x	x
27	36679A	Pulley washer	x	x	x	79	UA8156.1	1/2-13 x 3 1/2" HHCS	x	x	x
28	36680	5/16-18 x 13/16" HHCS	x	x	x	80	UA8810.2	1/2-13 x 5/8" SHSS	x	x	x
29	36774	Clutch bracket	x	x	x	81	UA8824.4	1/2-13 x 1 1/2" HHSS	x	x	x
30	36775	Bracket post	x	x	x	82	UA8828.2	1/2-13 x 1 3/4" SHSS	x	x	x
31	36785	Switch bracket	x	x	x	83	UA2912.3	3/32" x 3/4" Cotter pin	x	x	x
32	36786	Motor plate	x	x	x	84	UB3108.2	3/16" x 1/2" Str. pin	x	x	x
33	36787	Motor pulley	x	—	—	85	HN1032	#10-32 Hex nut	x	x	x
34	36788	Belt guard mounting plate	x	x	x	86	HN1213	1/2-13 Hex nut	x	x	x
35	85198	Cable clamp	x	x	x	87	HN1213.2	1/2-13 Hex jam nut	x	x	x
36	85126	Cable connector - 90° (motor)	x	—	x	88	HN1420.2	1/4-20 Hex nut	x	x	x
37	85128	Cable connector	x	x	x	89	HN3816.2	3/8-16 Hex nut	x	x	x
38	85199	Wire terminal	x	x	x	90	PW12.1	1/2" Plain washer	x	x	x
39	85202	Gits oller	x	x	x	91	HN5818	5/8-18 Hex nut	x	x	x
40	85417	#14 Black wire, 36"	x	x	x	92	HN51618	5/16-18 Hex nut	x	—	x
41	85419	#14 White wire, 36"	x	x	x	93	PW14	1/4" Plain washer	x	x	x
42	HN51618.7	5/16-18 Nylon lock nut	x	x	x	94	PW38	3/8" Plain washer	x	x	x
43	86198	Cable connector	x	x	x	95	PW516	5/16" Plain washer	x	—	x
44	86243	Power cord	x	—	—	97	LW12	1/2" Lock washer	x	x	x
45	86749	Female reducer	x	x	x	98	LW38	3/8" Lock washer	x	x	x
46	88293	Grease fitting	x	x	x	99	LW516	5/16" Lock washer	x	x	x
47	88537	Oil hole cover	x	x	x	100	SW10	#10 Shake proof	x	x	x
48	86035	#14 Green wire, 36"	x	x	x	101	85416	Flexible conduit, 38"	x	x	x
49	F94165	Grommet	x	x	x	102	85417	#14 Black wire, 50"	x	x	x
50	85416	Flexible conduit, 26"	x	x	x	103	85419	#14 White wire, 50"	x	x	x
51	85797	Connector	x	x	x	104	BH103020 7/16	Stitcher head	x	x	x
52	851277	Anti short bushing	x	x	x	105	BG925	Spacer	x	x	x
53	851738	Motor starter	x	x	x	106	2338	Clincher arm lock stud	x	x	x

Models HG-AW, HG-BW, and HG-CW

ITEM	PART NO.	DESCRIPTION	MODELS			ITEM	PART NO.	DESCRIPTION	MODELS		
			HG-AW	HG-BW	HG-CW				HG-AW	HG-BW	HG-CW
32	266G	Height adjustment unit	x	x	x	91	851750	Clutch brake, 115V	x	—	x
33	267G	Clincher head	x	x	x		851749	Clutch brake, 240V	—	x	—
34	268G	Clincher head shaft	x	x	x	92	BSA56	#10 Spoolholder	x	x	x
35	269G	Sleeve nut	x	x	x	93	851196	Anti short bushing	x	—	x
36	270G	Clincher spring plug	x	x	x	94	850767	Rubber cord, 84"	x	x	x
37	271G	Foot pedal lock	x	x	x	95	UA3306.2	10-32 x 3/8" RHMS	x	x	x
38	273G	Post lock spring	x	x	x	96	UA3308.2	10-32 x 1/2" RHMS	x	x	x
39	BD380	Clincher alignment pin	x	x	x	97	UA3308.3	10-32 x 1/2" RHMS	x	x	x
40	SB604	Clincher screw	x	x	x	98	UA3306.21	10-32 x 3/8" Plastite screw	x	x	x
41	840H2	Drive shaft key	x	x	x	99	UA4110.1	1/4-20 x 5/8" HHCS	x	x	x
42	997H	Spoolholder lock	x	x	x	100	85417	#14 Black wire, 50"	x	x	x
43	1052H	Mounting plate bracket	x	x	x	101	UA5114.1	5/16-18 x 7/8" HHCS	x	x	x
44	BG1122	Spacer	x	x	x	102	UA5116.1	5/16-18 x 1" HHCS	x	x	x
45	SB1204	Post level sleeve	x	x	x	103	36794	Clutch anchor screw	x	x	x
46	BG1652	Fiber spacers	x	x	x	104	2394S	Name plate	x	—	—
47	2349	Pulley washer screw	x	x	x		2363DS	Name plate	—	x	x
48	36792	Spacer	x	x	x	105	UA7140.1	7/16-14 x 2 1/2" HHCS	x	x	x
49	14240	Foot pedal lock arm	x	x	x	106	UA5124.1	5/16-18 x 1 1/2" HHCS	x	x	x
50	36593	Microswitch shield	x	x	x	107	UA7816.1	7/16-14 x 1" HHCS	x	x	x
51	36671	Beltguard	x	x	x	108	UA8128.1	1/2-13 x 1 3/4" HHCS	x	x	x
52	36677	Drive pulley	x	x	x	109	UA8156.1	1/2-13 x 3 1/2" HHCS	x	x	x
53	36678	Spacer	x	x	x	110	156H	Foot pedal	x	x	x
54	36679A	Pulley washer	x	x	x	111	UA8828.2	1/2-13 x 1 3/4" SHSS	x	x	x
55	36680	5/16-18 x 13/16" HHCS	x	x	x	112	UB2912.3	3/32" x 3/4" Cotter pin	x	x	x
56	36774	Clutch bracket	x	x	x	113	UB3108.2	3/16" x 1/2" Str. pin	x	x	x
57	36775	Bracket post	x	x	x	114	HN1032	#10-32 Hex nut	x	x	x
58	36785	Switch bracket	x	x	x	115	HN1213	1/2-13 Hex nut	x	x	x
59	36786	Motor plate	x	x	x	116	HN1213.2	1/2-13 Hex jam nut	x	x	x
60	36787	Motor pulley	x	—	—	117	HN1420.2	1/4-20 Hex nut	x	x	x
	36789	Motor pulley	—	x	—	118	HN3816.2	3/8-16 Hex nut	x	x	x
61	36788	Belt guard mounting plate	x	x	x	120	HN51618	5/16-18 Hex nut	x	x	x
62	36778	Pivot bar arm	x	x	x	121	PW14	1/4" Plain washer	x	x	x
63	36779A	Foot pedal assembly	x	x	x	122	PW38	3/8" Plain washer	x	x	x
64	36780	Microswitch bracket	x	x	x	123	PW516	5/16" Plain washer	x	x	x
65	36781	Actuator bracket	x	x	x	125	LW12	1/2" Lock washer	x	x	x
67	85126	Cable connector	x	x	x	126	UA1316.1	#6-32 x 1" RHMS	x	x	x
68	85128	Cable connector	x	x	x	127	LW38	3/8" Lock washer	x	x	x
69	85199	Wire terminal	x	x	x	128	LW516	5/16" Lock washer	x	x	x
70	85202	Gits oiler	x	x	x	129	SW10	#10 Shake proof	x	x	x
71	85417	#14 Black wire, 36"	x	x	x	130	UA3410.1	#10-32 x 5/8" FHMS	x	x	x
72	85419	#14 White wire, 36"	x	x	x	131	HN51618.7	5/16-18 Nylon lock nut	x	x	x
73	85419	#14 White wire, 50"	x	x	x	132	UA5816.1	5/16-18 x 1" SHSS	x	x	x
74	86198	Cable connector	x	x	x	134	UA6116.1	3/8-16 x 1" HHCS	x	x	x
75	86243	Power cord, 115V	x	—	—	136	UA6828.3	3/8-16 x 1 3/4" SHSS	x	x	x
	86244	Power cord, 230 V	—	x	—	138	UA7132.1	7/16-14 x 2" HHCS	x	x	x
76	86293	Grease fitting	x	x	x	140	UA9832.7	5/8-18 x 2" HHCS	x	x	x
77	88537	Oil hole cover	x	x	x	141	UB2912.3	1/8" x 3/4" Cotter pin	x	x	x
78	86035	#14 Green wire, 36"	x	x	x	142	UB3120.2	3/16" Dia. x 1/4" Roll pin	x	x	x
80	85416	Flexible conduit, 26"	x	x	x	143	HN51618.2	5/16-18 Jam nut	x	x	x
81	85797	Connector	x	x	x	144	SW6	#6 Shake proof	x	x	x
82	851277	Anti short bushing	x	x	x	145	PW12.1	1/2" Plain washer	x	x	x
83	851738	Motor starter	x	x	x	146	87583	Wire terminal	x	x	x
84	851739	Motor 60HZ - 1725 RPM	x	—	—	147	86035	#14 Green wire, 50"	x	x	x
	851751	Motor 50HZ - 1425 RPM	—	x	—	148	85416	Flexible conduit, 38"	x	x	x
86	851741	Duplex connector - 90°	x	x	x	149	UA5806.1	5/16-18 x 3/8" SHSS	x	x	x
87	851742	Wire terminal	x	x	x	150	BH103020 7/16	Stitcher head	x	x	x
88	851743	Spacer	x	x	x	151	PW12	1/2" Plain washer	x	x	x
89	851744	Drive belt	x	x	x	152	85198	Cable clamp	x	x	x
90	850631	Microswitch	x	x	x	153	BG925	Spacer	x	x	x

Model J-AW Stitcher

ITEM	PART NO.	DESCRIPTION	ITEM	PART NO.	DESCRIPTION
1	90H3	Spoolholder bracket	54	851277	Anti-short bushing
2	91H2	Spoolholder spindle	55	851738	Motor starter
3	92H	Spoolholder washer	56	851739	Motor - 60hz, 1725 RPM
4	93H	Spring	58	851741	Duplex connector - 90°
5	94H2	Spoolholder locknut	59	851742	Wire terminal
6	94H3	Spindle jam nut	60	851743	Spacer
7	150J19	Body assembled	61	851744	Drive belt
8	Q151L2	Base	62	851745	Footswitch assembly
9	153J	Column	63	851750	Clutch brake - 115 V.
10	164H8D	Drive cam assembly	64	BSA56	#10 Spoolholder
11	165J10	Drive shaft assembly	65	851196	Anti-short bushing
12	172	Drive screws	66	UA3306.2	10-32 x 3/8" RHMS
13	182J	Clincher arm pivot	67	UA3308.2	10-32 x 1/2" RHMS
14	183H	Locking pin	68	UA3308.3	10-32 x 1/2" RHMS
15	187J	Clincher arm	69	UA3806.21	10-32 x 3/8" Plastite SCR
16	188H3	Clincher	70	UA4110.1	1/4-20 x 5/8" HHCS
17	189J2	Clincher arm adjustment screw	71	85419	#14 White wire, 61"
18	347	Plug	72	UA5114.1	5/16-18 x 7/8" HHCS
19	SB604	Clincher screw	73	UA5116.1	5/16-18 x 1" HHCS
20	840H2	Drive shaft key	74	36794	Clutch anchor screw
21	997H	Spoolholder lock	75	2580S	Name plate
22	1052H	Mounting plate bracket	76	UA7140.1	7/16-14 x 2 1/2" HHCS
23	BG1652	Fiber spacers	77	UA5124.1	5/16-18 x 1 1/2" HHCS
24	2349	Pulley washer screw	78	UA7816.1	7/16-14 x 1" HHCS
25	36792	Spacer	79	UA8132.1	1/2-13 x 2" HHCS
26	36671	Belt guard	80	UA8156.1	1/2-13 x 3 1/2" HHCS
27	36677	Drive pulley	81	UA8810.2	1/2-13 x 5/8" SHSS
28	36678	Spacer	82	UA8824.4	1/2-13 x 1 1/2" HHSS
29	36679A	Pulley washer	83	UA8828.2	1/2-13 x 1 3/4" SHSS
30	36680	5/16-18 x 13/16" HHCS	84	UB2912.3	3/32" x 3/4" Cotter pin
31	36774	Clutch bracket	85	UB3108.2	3/16" x 1/2" Str. pin
32	36775	Bracket post	86	HN1032	#10-32 Hex nut
33	36785	Switch bracket	87	HN1213	1/2-13 Hex nut
34	36786	Motor plate	88	HN1213.2	1/2-13 Hex jam nut
35	36787	Motor pulley	89	HN1420.2	1/4-20 Hex nut
36	36788	Beltguard mount plate	90	HN3816.2	3/8-16 Hex nut
37	85198	Cable clamp	91	HN51618.7	5/16-18 Nylon locknut
38	85126	Cable connector	92	HN5818	5/8-18 Hex nut
39	85128	Cable connector	93	HN51618	5/16-18 Hex nut
40	85199	Wire terminal	94	PW14	1/4" Plain washer
41	85202	Gits oiler	95	PW38	3/8" Plain washer
42	85417	#14 Black wire, 47"	96	PW516	5/16" Plain washer
43	85419	#14 White wire, 47"	98	LW12	1/2" Lockwasher
44	86035	#14 Green wire, 61"	99	LW38	3/8" Lockwasher
45	86198	Cable connector	100	LW516	5/16" Lockwasher
46	86243	Power cord	101	SW10	#10 Shake proof
48	88293	Grease fitting	102	PW12.1	1/2" Plainwasher
49	88537	Oil hole cover	103	UA9144.1	5/8-11 x 2 3/4" HHCS
50	86035	#14 Green wire, 47"	104	85416	Flexible conduit, 49"
51	F94165	Grommet	105	85417	#14 Black wire, 61"
52	85416	Flexible conduit, 37"	106	BH103020 7/16	Stitcher head
53	85797	Connector	107	BG925	Spacer

