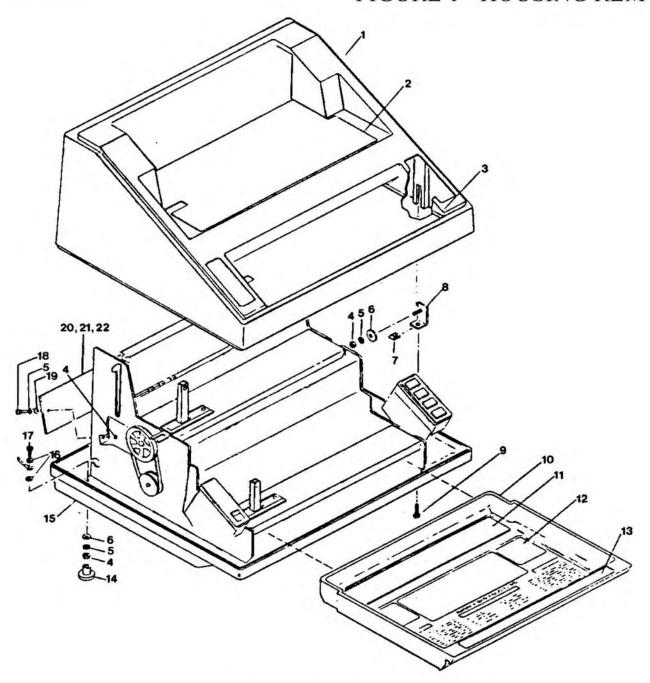


323 Parts List



GBC IS AN ACCO BRANDS COMPANY

FIGURE 1 - HOUSING REMOVAL

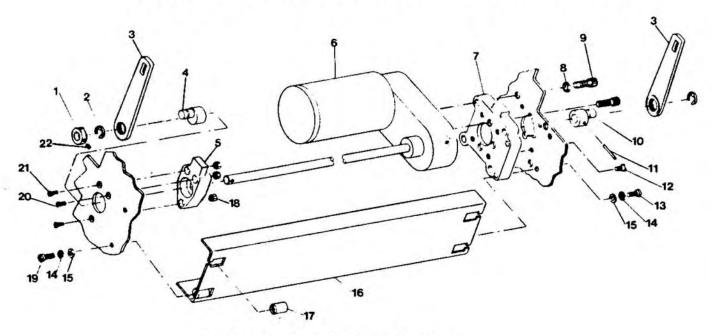


PART NUMBER REFERENCE GUIDE

1--9776963--HOUSING 12--9776901--OP INST. DECAL 13--9776898--SALES REP DECAL 2--9778786--BIND PLATEN 3--9778792--PUNCH PLATEN 14--9778089--RUBBER FOOT 4--9778590--#10 HEX NUT 15--9778221--BASE 5--9779912--#10 LOCKWASHER 16--9779923--STAR WASHER 6--9779912--#10 FLAT WASHER 17--9779179--10/24 X 1-1/8 SCREW 7--9778610--#10 TINNERMAN NUT 18--9779178--10/24 X 1/2 SCREW 8--9776719--HSING MTG BRAC ASSY. 19--9779899--FLAT WASHER 9--9779206--10/16 X 1 SCREW 20--9778696--P.C. BOARD 21--9779247--P.C. BOARD SHIELD 10-9779438--WASTE TRAY 22--9779362--3/16 SUPPORT 11-9779365--FOAM STRIP

9778230--HOUSING ASSEMBLY (INCLUDES ITEMS 1-8)

FIGURE 2 - PUNCH DRIVE ASSEMBLY REMOVAL



PART NUMBER REFERENCE GUIDE

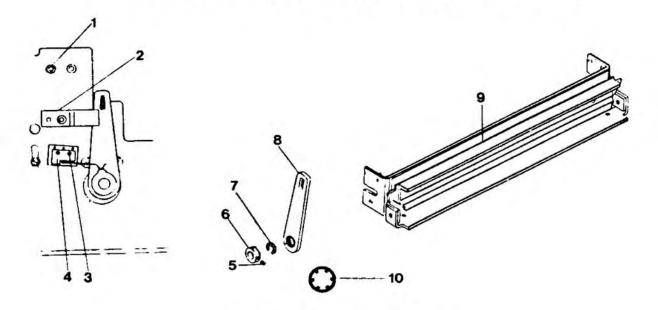
12--9779204--10/24 X 1/2 SCREW 1--9776851--PUNCH CAM 13--9779134--8/32 X 1-1/4 SCREW 2--9777570--RETAINING RING 14--9779911--LOCK WASHER 3--9778461--PUNCH LINK 15--9779898--FLAT WASHER 4--9776842--PUNCH CRANK 5--9776610--PUNCH BEARING 16--9776935--GEARBOX SUPPORT 6--9778567--PUNCH MOTOR ASSEMBLY 17--9776927--SLOTTED NUT 7--9776389--PUNCH MOTOR ADAPTOR 18--9778597--HEX NUT 8--9779929--LOCK WASHER 19--9779132--8/32 X 3/4 SCREW 9--9779205--5/16 X 3/4 SCREW 20--9779187--10/24 X 3/4 SCREW 10-9776842--PUNCH CRANK 21--9779187--10/24 X 3/4 SCREW 11-9778669--ROLL PIN 22--9779192--6/32 X 1/8 SCREW

NOTE: REFERENCE FIGURES 2 (ABOVE) AND FIGURE 3 (NEXT PAGE) FOR REMOVAL.

PUNCH DRIVE ASSEMBLY REMOVAL

- Disconnect the punch motor connectors, and cut any wire ties necessary to free the punch motor wiring.
- Remove the two zee brackets (Item 2, Fig. 3), and loosen the Punch Cam Switch (Item 4, Fig. 3) by removing the right screw, and loosening the left screw.
- Remove the punch cam (Item 1, Fig. 2); remove the E-rings (Item 2, Fig. 2); and remove the punch links (Item 3, Fig. 2).
- 4. Remove the three allen screws (Item 12, Fig. 2) from the punch motor adapter.
- 5. Remove the three phillips screws (Items 20, 21, Fig. 2) by holding the Punch Shaft Bearing (Item 5, Fig. 2), and move the bearing to the right.
- 6. The punch drive assembly can now be removed by moving the assembly to the left, and lifting it out of the unit.
- 7. Reassemble in reverse order.

FIGURE 3- PUNCH ASSEMBLY REMOVAL



PART NUMBER REFERENCE GUIDE

1--9779141--1/4-20 X 1 SCREW

1--9779913--LOCK WASHER

1--9778591--HEX NUT

2--9776726--ZEE BRACKET

3--9779168--2/56 X 9/16 SCREW

4--9779311--SWITCH

5--9779192--SET SCREW

6--9776851--PUNCH CAM

7--9779072--E-RING

8--9778461--PUNCH LINK

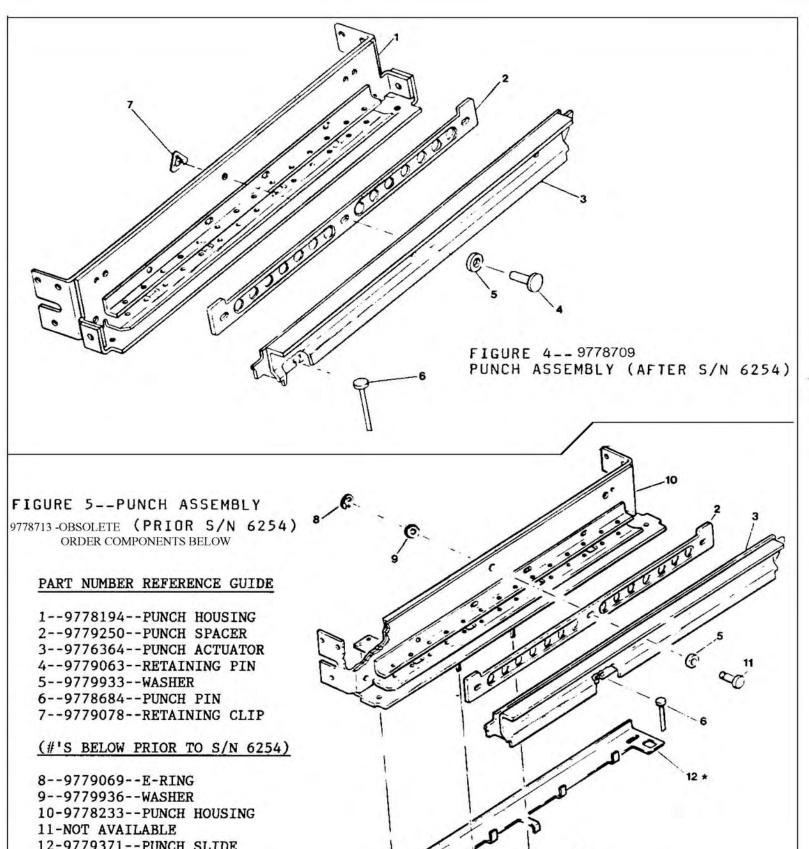
9--9778709--PUNCH ASSEMBLY

10-9777570--RETAINING RING

PUNCH ASSEMBLY REMOVAL

- 1. Loosen (do not remove) the bind support by removing the four phillips screws. This will provide easier access for the punch assembly removal.
- Remove the two zee brackets (Item 2, Fig. 3) on both sides of the unit - 3/16 allen.
- Loosen the Punch Cam Switch (Item 4, Fig. 3) by removing the right screw (Item 3, Fig. 3), and loosening the left screw.
- Remove the punch cam (Item 6, Fig. 3) by loosening the 1/16 allen screw (Item 5, Fig. 3).
- 5. Remove the E-ring (Item 7, Fig. 3) from both eccentric cams.
- 6. Remove the punch links (Item 8, Fig. 13). Be careful not to damage the punch cam switch (Item 4, Fig. 3).*
- Remove the remaining two 3/16 allen screws (Item 1, Fig. 3) with hardware, from both sides of the punch assembly.
- 8. The punch assembly (Item 9, Fig. 3) may now be removed.
- Reassemble in reverse order, and re-time the punch and bind cam switches.

*NOTE: IF YOUR MACHINE HAS COMPUTER/STANDARD SELECTOR, REMOVE THE HEX NUT AND CLAMP UNDER THE PUNCH HOUSING, AND REMOVE THE CABLE FROM THE LEVER BEFORE STEP 7.



12-9779371--PUNCH SLIDE

13-9779254--NYLON SPACER

14-9778466--PUNCH LEVER

15-9779279--SLIDE SPRING

16-9779897--FLAT WASHER

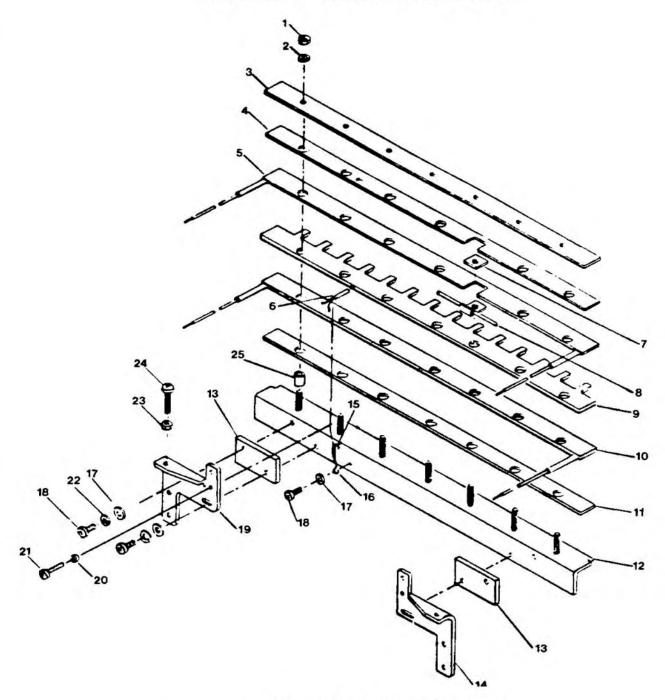
17-9778595--6/32 LOCKNUT

18-9776857--CLAMP

19-9779186--SCREW

20-9776621--BUSHING

FIGURE 7 - KNIFE ASSEMBLY

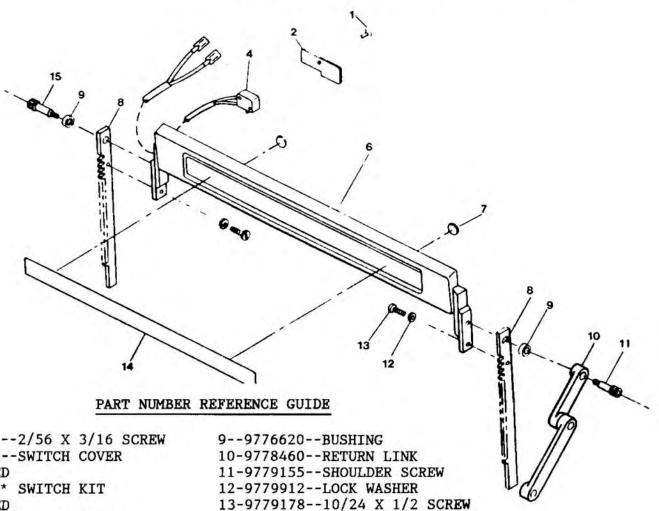


PART NUMBER REFERENCE GUIDE

- 1--9778588--6/32 HEX NUT 2--9779910--LOCK WASHER
- 3--9778754--KNIFE HTR PLATE
- 4--9778289--INSULATOR
- 5--9778217--UPPER HEATER
- 6--9779450--THERMISTOR
- 7--9778289--INSULATOR
- 8--9779394--CUTOFF THERMOSTAT
- 9--9776713--BLADE
- 10-9778226--LOWER HEATER
- 11-9778289--INSULATOR
- 12-9776705--HEATER SUPPORT
- 13-9778294--INSULATOR BRACKET

- 14--9776704--LH HTR BRACKET
- 15--9779410--TEFLON SLEEVE
- 16--9779089--RETAINER
- 17--9779898--FLAT WASHER
- 18--9779175--3/32 X 1/2 SCREW
- 19--9776703--RH HTR BRACKET
- 20--9778587--4/40 HEX NUT
- 21--9779170--4/40 X 3/4 SCREW
- 22--9779911--LOCK WASHER
- 23--9778589--8/32 HEX NUT
- 24--9779177--8/32 X 1 SCREW
- 25--9778296--INSULATOR SLEEVE
- N/A- 9778313 --KNIFE ASSEMBLY

FIGURE 8 - 9780037 - PRESSEURE BAR ASSY.



1-- 9779223 -- 2/56 X 3/16 SCREW

2--9776734--SWITCH COVER

3--NOT USED

4--9780193* SWITCH KIT

5--NOT USED

6--9780043 PRESSURE BAR

7--9778772--FELT PAD

8--9779044--RACK

*INCLUDES 1, 2 & 4

4 -- 9780089 -- Pressure bar switch

14-9778626--PRESSURE BAR LOGO

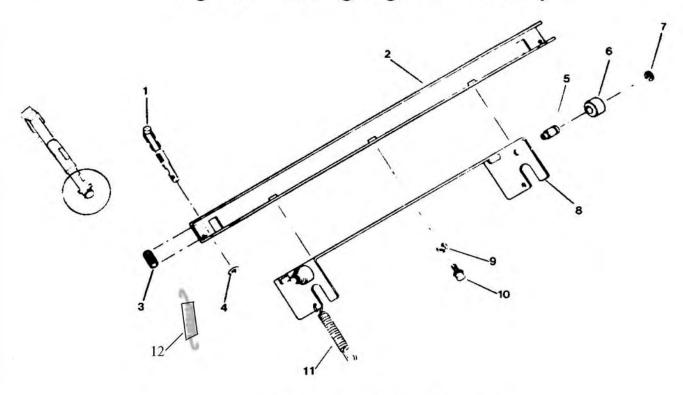
15-9779154--SHOULDER SCREW

PRESSURE BAR AND RACKS REMOVAL

REFERENCE FIGURE 8 FOR PARTS DIAGRAM

- Remove power cord from rear of machine, and place pressure bar in home position.
- Remove housing (P. 25).
- Disconnect the two connectors from the pressure bar harness (Item 5) to the main harness.
- 4. Remove the two 1/8" screws (Items 11 & 15) from each side of the pressure bar. Remove the pressure bar by pulling straight up, being careful not to break the pressure bar harness wires.
- 5. The racks (Item 8) may be replaced by removing the mounting screws (Item 13).
- 1.NOTE: When replacing the pressure bar and racks, install the first tooth of the racks to the pinion gears simultaneously. Otherwise, the pressure bar will not be parallel with the backstop when in the home position.
- 2.NOTE: If actuator (Item 3) is bent or malformed, it has a tendency to stick. Change or re-form the actuator if this situation occurs.

Figure 9 - Cooling finger / bracket assy.



1--9778687--COOLING FINGER

2--9776845--CHANNEL

3--9779272--SPRING

4--9776950--RETAINING RING

5--9779062--RIVET

6--9779084--CAM FOLLOWER

N/A-9776718-COOLING BRACKET ASSY.

(INCLUDES ITEMS 5-8)

7--9779077--C-CLIP

8--9776748--COOLING BRACKET

9--9779910--LOCK WASHER

10-9779172--6/32 X 3/8 SCREW

11-9779278--TENSION SPRING

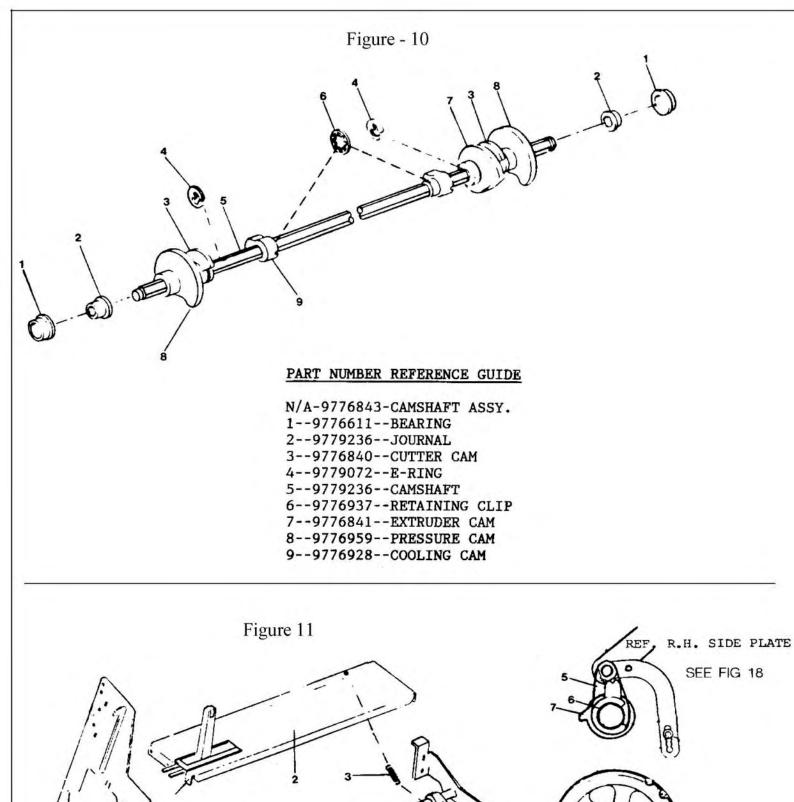
N/A-9776708-COOLING FINGER ASSY.

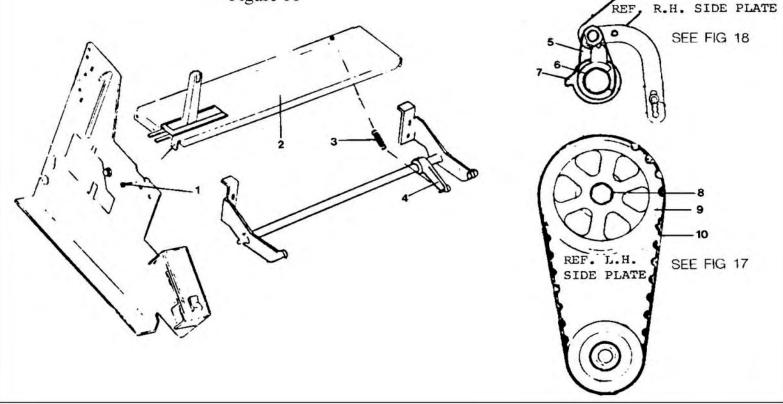
(INCLUDES ITEMS 1-4)

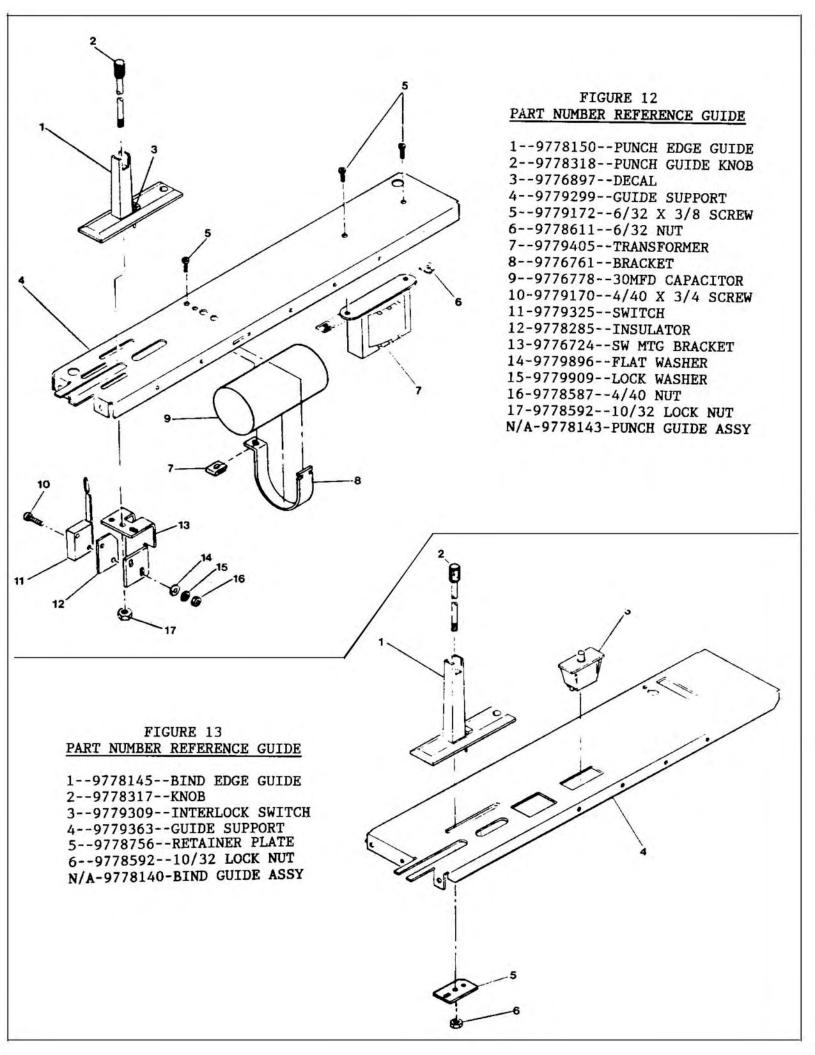
12 - Cooling channel springs

REPLACING THE COOLING FINGERS

- Disconnect the plug from the rear of the machine, and remove the housing (Page 25).
- Remove the screws (Item 1, Fig. 11) holding the bind guide assembly (Item 2, Fig. 11) and lift it up to gain access to the cooling finger assembly.
- 3. Remove the retaining ring (Item 4, Fig. 9).
- 4. The finger will pop up, and can now be removed by lifting it out behind the backstop.
- 5. Reinstall by pushing it into the bridge slot, and reinstall the retaining ring. Reassemble in reverse order.
- Reinstall old configuration without retaining rings, by pushing into bridge slot and twisting (See Detail).







N/A-9778775-LH PIVOT SPRING ASSY. N/A-9778776-RH PIVOT SPRING ASSY. N/A-9779241-TIMING SHAFT ASSY.

1--9779337--SHOULDER SCREW

2--N/A--LH PIVOT PLATE

3--9779913--LOCK WASHER

4--9778591--1/4-20 NUT

5--N/A--GUIDE RIVET

6--9779274--SPRING

7--9778665--ROLL PIN

8--9779240--TIMING SHAFT

9--9778765--PINION GEAR

10-9779256--SPACER

11-NOT USED

12-NOT USED

13-9779910--LOCK WASHER

14-9779219--6/32 X 3/8 SCREW

15-9779087--RETAINER PLATE

16-9779118--4/40 X 3/8 SCREW

17-9779896--FLAT WASHER

18-9779280--PAWL SPRING

19-9779909--LOCK WASHER

20-9778587--4/40 NUT

21-9779085--RATCHET

22-9779255--SPACER

23-9779088--RETAINER PLATE

24-N/A--RH PIVOT PLATE

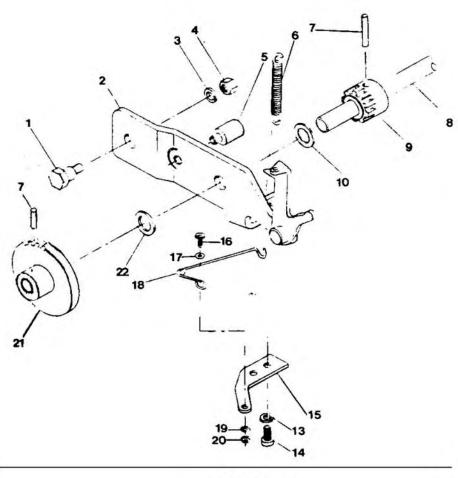
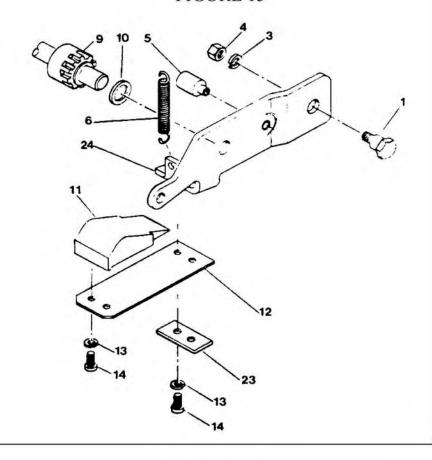
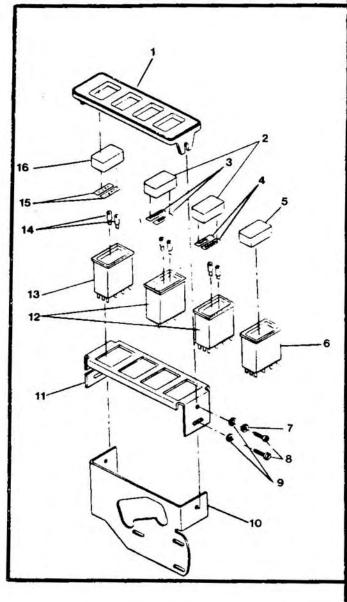


FIGURE 15





(SEE PAGE 40 FOR PART NUMBER REFERENCE GUIDE)



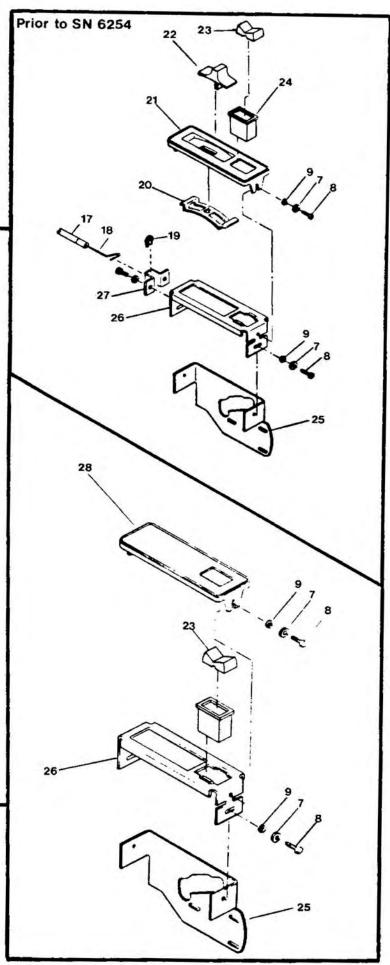
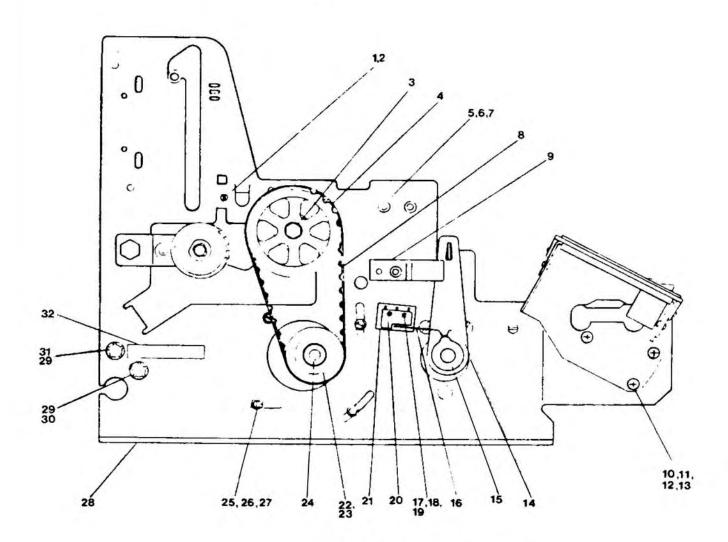


FIGURE 16

PART NUMBER REFERENCE GUIDE (SEE PAGE 39)

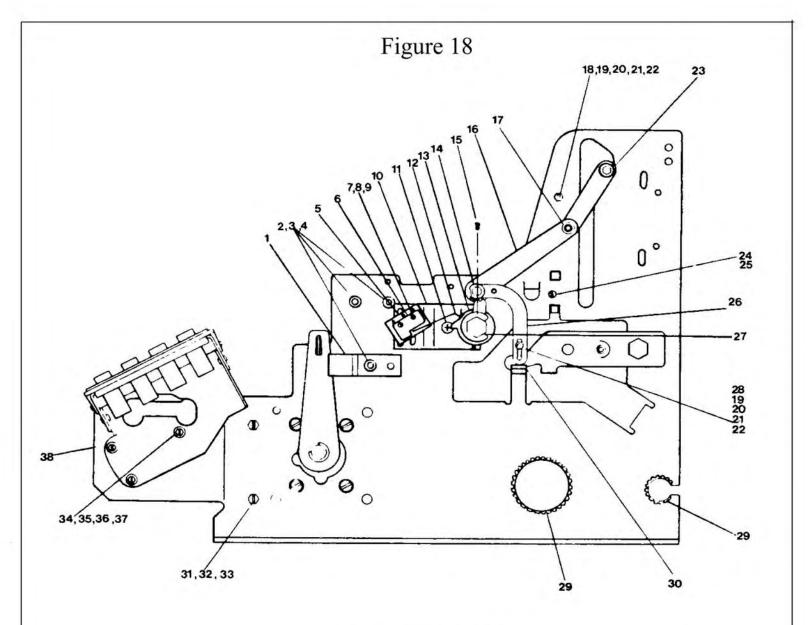
- 1--9778777--SWITCH CONTROL PANEL
- 2--9776850--MODE SELECT CAP
- 3--9778464--FAST/STD LENS
- 4--9778465--AUTO/MANUAL LENS
- 5--9776848--MANUAL PUNCH CAP
- 6--9779322--MANUAL PUNCH SWITCH
- 7--9779910--LOCK WASHER
- 8--9779219--6/32 X 3/8 SCREW
- 9--9779897--FLAT WASHER
- 10-9776709--ADJUSTABLE SUPPORT
- 11-9776712--BRACKET
- 12-9779321--MODE SWITCH
- 13-9778419--INDICATOR SWITCH
- 14-9778420--LAMP
- 15-9778463--READY/WAIT LENS
- 16-9778462--INDICATOR SWITCH CAP
- 17-9779275--HOUSING CABLE
- 18-9776769--PUNCH SELECT CABLE
- 19-9779074--GRIP RING
- 20-9779273--COMPUTER DETENT SPRING
- 21-9778783--POWER SWITCH PANEL
- 22-9779359--SLIDE SELECTOR
- 23-9776849--ON/OFF CAP
- 24-9779320--ON/OFF SWITCH
- 25-9776710--ADJUSTABLE SUPPORT
- 26-9776711--SWITCH MTG BRACKET
- 27-9776858--BRACKET
- 28-9776940--POWER SWITCH PANEL

Figure 17



1--9779222--8/32 X 1/2 SCREW 2--9779911--LOCK WASHER 3--9779072--E-RING 4--9778705--PULLEY 5--9779141--1/4-20 X 7/8 SCREW 6--9779913--LOCK WASHER 7--9778591--1/4-20 NUT 8--9776613--TIMING BELT 9--9776726--ZEE BRACKET 10-9779173--6/32 X 1/2 SCREW 11-9779910--LOCK WASHER 12-9779897--FLAT WASHER 13-9778588--6/32 NUT 14-9778461--PUNCH LINK 15-9776851--PUNCH CAM 16-9776353--ACTUATOR

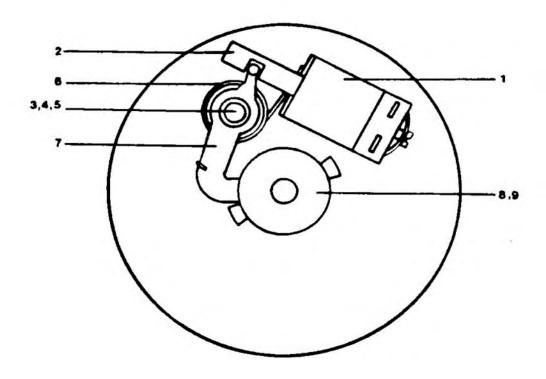
17--9779168--2/56 X 9/16 SCREW 18--9779920--LOCK WASHER 19--9778618--NUT PLATE 20--9779311--SWITCH Punch 21--9778287--INSULATOR 22--9778704--MOTOR PULLEY 23--9778665--ROLL PIN 24--9778565--BIND MOTOR 25--9779131--8/32 X 5/8 SCREW 26--9779898--FLAT WASHER 27--9779911--LOCK WASHER 28--N/A--L.H. SIDE PLATE 29--9778084--FUSEHOLDER 30--9778078--1/2 AMP FUSE 31--9778083--10 AMP FUSE 32--9776896--FUSE WARNING DECAL



1--9776958--BRACKET 2--9779141--1/4-20 X 7/8 SCREW 3--9779913--LOCK WASHER 4--9778591--1/4-20 NUT 5--9778287--INSULATOR 6--9779311--SWITCH 7--9779168--4/40 X 9/16 SCREW 8--9779920--LOCK WASHER 9--9778618--NUT PLATE 10-9776958--BRACKET 11-9779219--6/32 X 3/8 SCREW 12-9776354--ACTUATOR 13-9778116--DRIVE GEAR 14-9779069--E-RING 15-9779194--6/32 X 1/4 SCREW 16-9776380--P. BAR RETURN ARM 17-9778609--SPEED NUT 18-9779169--4/40 X 1/2 SCREW 19-9779090--DRIVE ARM ROLLER

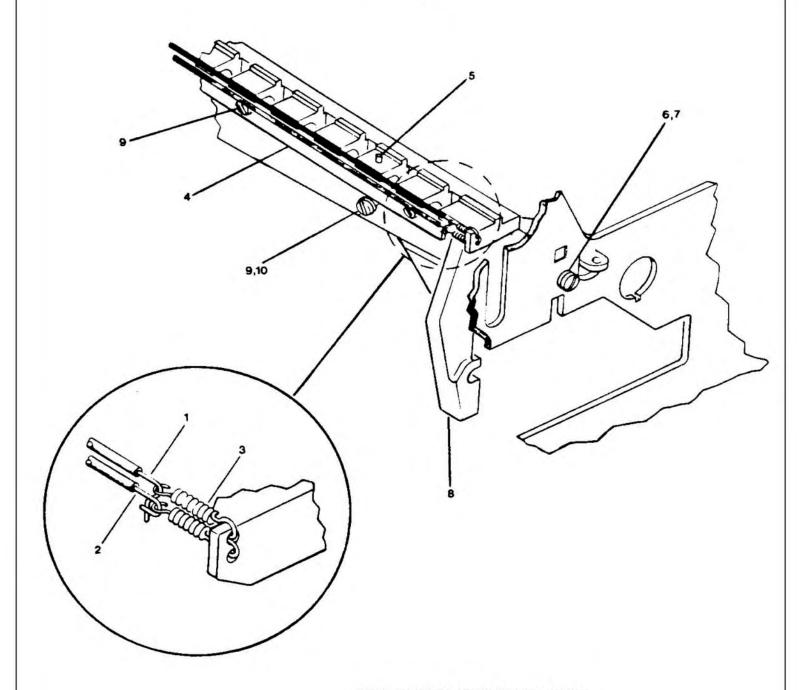
20--9779896--FLAT WASHER 21--9779909--LOCK WASHER 22--9778587--4/40 NUT 23--9778460--P. BAR RETURN LINK 24--9779912--LOCK WASHER 25--9779222--8/32 X 1/2 SCREW 26--9776394--DRIVE ARM 27--9778467--CONNECTING LINK 28--9779170--4/40 X 3/4 SCREW 29--9778118--GROMSTRIP 30--9778796--RUBBER PAD 31--9779175--8/32 X 1/2 SCREW 32--9779911--LOCK WASHER 33--9779911--FLAT WASHER 34--9779173--6/32 X 1/2 SCREW 35--9779910--LOCK WASHER 36--9779897--LOCK WASHER 37--9778588--6/32 NUT 38--N/A--R.H. SIDE PLATE

Figure 19

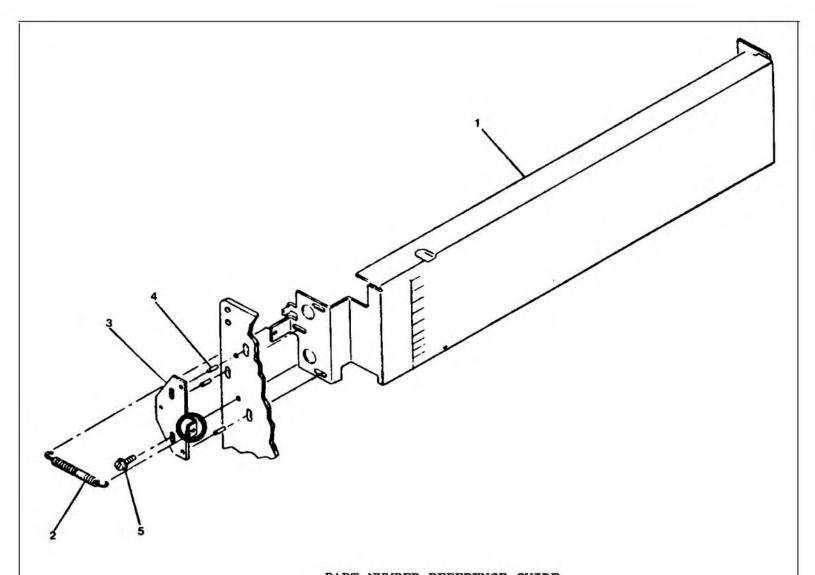


- 1--9776316--115 SOLENOID KIT
- 2--9776320--PLUNGER
- 3--9776313--6/32 X 1/4 SCREW
- 4--9776312--LOCK WASHER
- 5--9776311--FLAT WASHER
- 6--9776309--SPRING
- 7--9776310--LEVER ARM
- 8--9776308--HUB
- 9--9776314--SET SCREW

Figure 20



- 1--9779958--UPPER WIPER
- 2--9779957--LOWER WIPER
- 3--9779276--EXTENSION SPRING
- 4--9776731--STRIPPER BRACKET
- 5--9778689--LOCATING PIN
- 6--9779178--10/24 X 1/2 SCREW
- 7--9779912--LOCK WASHER
- 8--9776700--BRIDGE
- 9--9779222--8/32 X 3/8 SCREW
- 10-9779898--FLAT WASHER



1--9776727--BACKSTOP

2--9779261--SPRING

3--9778753--ADJ. PLATE

4--9778671--GROOVE PIN

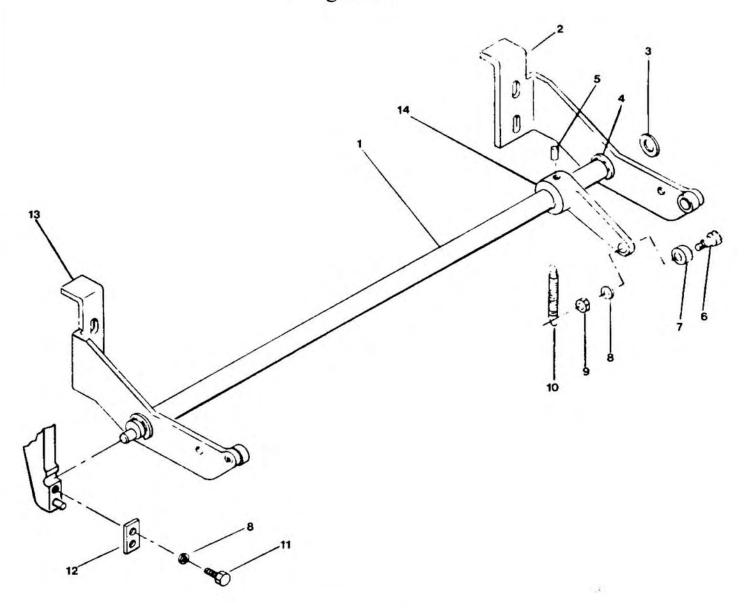
5--9779219--6/32 X 3/8 SCREW

#'S 1-5 PRIOR TO S/N 7318

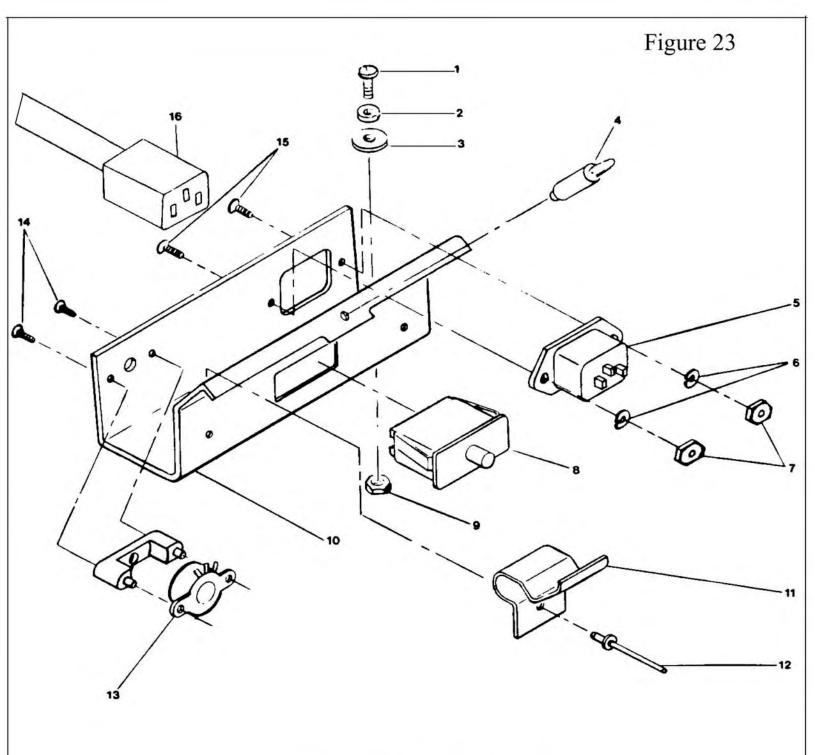
N/A-9776932-BACKSTOP (AFTER S/N 7318)

NOTE: If a customer does not use computer strips, then the floating backstop should be made stationary. Remove the adjustable plates (Item 3). Using a vise grip, or pliers, break off the spring tabs (note circle) in order to mount the plates on the inside of the backstop ears. (note that you have to turn the plates around in order for the holes to line up).

Figure 22



- 1--9779235--ECCENTRIC SHAFT
- 2--9778363--RH CUTTER ARM ASSY.
- 3--9778766--TEFLON WASHER
- 4--9779072--E-RING
- 5--9778666--ROLL PIN
- 6--9779084--ROLLER
- 7--9778589--8/32 HEX NUT
- 8--9779911--LOCK WASHER
- 9--9779346--SHOULDER SCREW
- 10-9779260--EXTENSION SPRING
- 11-9779222--8/32 X 3/8 SCREW
- 12-9778751--RETAINING PLATE
- 13-9776384--LH CUTTER ARM ASSY.
- 14-9776376--EXTRUDER ARM



- 1--9779136--10/24 X 5/8 SCREW
- 2--9779912--LOCK WASHER
- 3--9779899--FLAT WASHER
- 4--9779370--PCB SPACER
- 5--9779047--RECEPTACLE
- 6--9779909--LOCK WASHER
- 7--9778587--4/40 NUT
- 8--9779327--INTERLOCK SWITCH

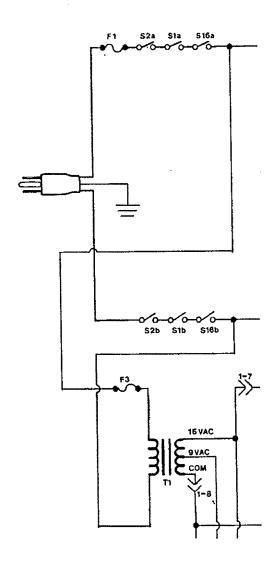
- 9--9778590--10/24 NUT
- 10-9776733--INTERLOCK BRACKET
- 11-9779277--SPRING LATCH
- 12-N/A--RIVET
- 13-9776904--POTENTIOMETER
- 14-9779209--4/24 X 1/4 SCREW
- 15-9779185--4/40 X 5/8 SCREW
- 16-9779940--POWER CORD

SECTION-3

ELECTRICAL OPERATIONS

POWER-UP

Power is applied to the Model 323 electrical system using the main power switch (SW-2). When SW-2 is closed, power is applied to the electrical system through two interlock switches — the top cover interlock switch (SW-1) and the debris tray switch (SW-16).



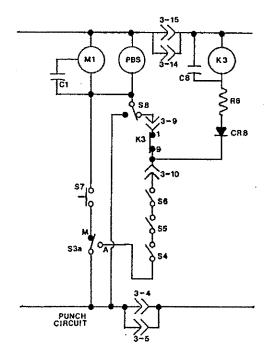
PUNCH ELECTRICAL CIRCUIT

MANUAL

When the machine is placed in the MANUAL punch mode, SW-3 contacts apply the AC neutral line to SW-7. The punch motor and punch brake solenoid (PBS) are energized when SW-7 is momentarily depressed by the operator. As the punch motor begins to rotate, the punch cam de-actuates SW-8 to supply an alternate neutral line to the motor and solenoid. After the punch has cycled, the punch cam actuates SW-8, turning off the punch motor and PBS.

AUTO

When the machine is placed in the AUTO punch mode, SW-3 contacts apply the A.C. neutral line to SW-4. The punch motor, PBS, and relay K-3 are energized when SW-4 is actuated by the paper stack. As in the MANUAL mode, the punch cam de-actuates SW-8 to supply an alternate neutral line to the motor and solenoid. K-3 energizing, opens contacts 1-9. This prevents the punch from cycling again, when SW-8 is closed by the punch cam. After the punch has cycled, the punch cam actuates SW-8, turning off the punch motor and PBS. Removing the paper stack opens SW-4, causing K-3 to de-energize after a slight delay.



The punch motor utilized Note: in the Model 323 has internal thermo cut-off. If the punch motor is used continuously for a long period of time, the motor will overheat and shut itself If this occurs, discontinue off. punching operations for approximately 20 minutes, allowing the motor to cool.

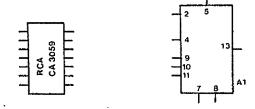
HEATER CIRCUIT OPERATION

Thermistor



The Thermistor (RT1) is mounted into the knife and is used because of its ability to change in resistance as the temperature changes. RT1 is a bead-type thermistor, with a negative temperature coefficient (its resistance decreases as the surrounding temperature increases). RT1 is used to sense the knife temperature and control an input voltage to the comparator I.C. (A1). Connected to PIN 6+7 ON F.C. BOARD

I.C. (A1)



The comparator I.C. (A1) compares an input voltage at Pin-13 to its internal reference voltage of 3.5 volts. When the input voltage is at 3.5 volts or above, the voltage at Pin-4 is approximately 4 volts. The output voltage is used to gate the Triac (Q2).

Triac (Q2)

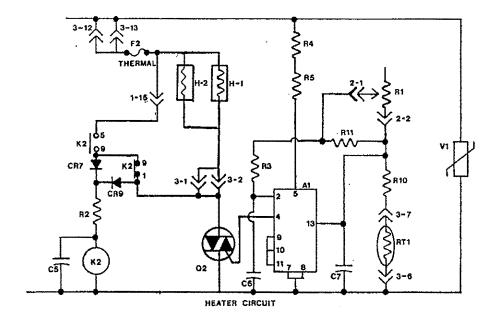


The Triac (Q2) is used as a switching device to control current through the heaters. It switches on the heaters when a gate voltage is applied from the comparator I.C.

HEATER CIRCUIT OPERATION

When the knife is cold, the resistance of RT1 is high. The high resistance pushes the voltage above 3.5 volts at Pin-13 of A-1, allowing A-1 to gate the triac, turning on the heaters. As the temperature of the knife increases to 190°C (375°F), the resistance of the thermistor decreases, causing the voltage at Pin-13 to drop below 3.5 volts, shutting off the gate voltage to the triac. When the triac turns off, current is allowed to flow to K-2, energizing it. K-2 energizing places the machine in READY, allowing the operator to start binding.

K-2 is held energized through contacts 9-5, keeping the machine held in the READY mode while the knife temperature is constantly regulated by A-1 gating the triac.



READY AND OVERHEAT CONTROL CIRCUIT

During the initial warm-up period, bind operations are disabled, and the WAIT lamp is on. These functions are controlled by Relay K-2 contacts.

When Q2 is initially on during warm-up, the voltage at J3-1 is close to Ø volts, keeping K-2 off. When Q2 is turned off by A1, the voltage at 3-1 rises to approximately 110 volts, turning K-2 on. K-2 contacts 9-5 close, setting up a self-holding circuit.

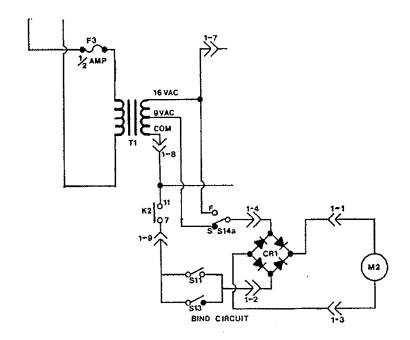
The Thermal Fuse (F2) is used as a protection device in case the knife overheats. The fuse is wired in series with Relay K-2 and is used to remove power if the temperature rises above its rated value (192°C). If this occurs, the binding operations become disabled, and the WAIT lamp is illuminated.

BIND MOTOR CIRCUIT

The bind motor speed and BIND STATUS Indicator lamps are controlled by SW-14. When SW-14 is placed in the STANDARD mode, 9 VAC is applied to the bind circuit, and the STANDARD speed lamp is illuminated.

When K-2 energizes after warm-up, the common line is applied to SW-11 (bind start), and SW-13 (bind stop). When the pressure bar is lowered, actuating SW-11, the bind motor circuit is completed, starting the bind cycle. As the camshaft rotates, SW-13 de-actuates, providing an alternate line to the bind motor. When the cycle is completed, the pressure bar raises, opening SW-11. However, power is maintained to the bind motor through SW-13 until the driver gear cam actuates SW-13, turning off the bind motor.

When the operator selects FAST speed, SW-14 applies 16 VAC to the bind motor and illuminates the FAST speed indicator. 16 VAC provides a greater operating voltage for the bind motor, providing a faster binding speed.



9178701 MOLEX PEUB 15 ADN 977 8750 MOLEX PUB 2 PM

MODEL 300/323 DESCRIPTION AND LOCATION

BBREVIATION	DESCRIPTION	LOCATION
Fl	10A Fuse/Fuseholder	Fig. 26. Item No. 29/31
F3	%A Fuse/Fuseholder	Fig. 26, Item No. 29/30
S2a/S2b	Power Switch	Fig. 25, Item No. 24
Sla/Slb	Interlock Switch	Fig. 32 , Item No. 8
S16a/S16b	Interlock Switch	Fig. 23 , Item No. 3
Ml	Punch Motor	Fig. 12, Item No. 6
C1	Punch Motor Starting Capacitor	Fig. 22 , Item No. 9
PBS	Punch Motor Brake Solenoid	Fig. 28 , Item No. 1
SW3a	Punch Mode	Fig. 25, Item No. 12
SW7	Punch Switch	Fig. 25, Item No. 6
SW8	Punch Cam Switch	Fig. 26, Item No. 20
SW4	Punch Edge Guide Switch	Fig22 , Item No. 11
К3	Punch Relay	P.C. Board Mark K3
C8	Capacitor	P.C. Board Mark C8
R6	Resistor	P.C. Board Mark R6
CR8	Diode	P.C. Board Mark CR8
F2	Thermal Cut-off	Fig. 17 , Item No. 8
H1/H2	Heater	Fig17 , Item No. 5 & 10
K2	Relay	P.C. Board Mark K2
CR7	Diode	P.C. Board Mark CR7
R2	Resistor	P.C. Board Mark R2
C5	Capacitor	P.C. Board Mark C5
CR9	Diode	P.C. Board Mark CR9
Q2	Triac	P.C. Board Mark Q2
R4	Resistor	P.C. Board Mark R4
Al	I.C. CA 3059	P.C. Board Mark Al
R3	Resistor	P.C. Board Mark R3
C6	Capacitor	P.C. Board Mark C6
Rll	Resistor	P.C. Board Mark Rll
R10	Resistor	P.C. Board Mark R10
RT1	Thermistor	Fig. 17 , Item No.6
C 7	Capacitor	P.C. Board Mark C7

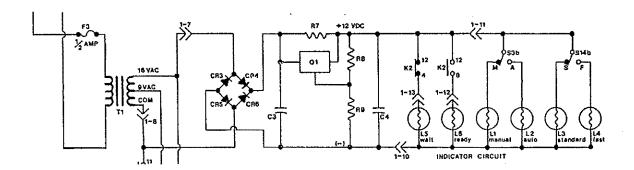
MODEL 300/323 DESCRIPTION AND LOCATION (Cont'd.)

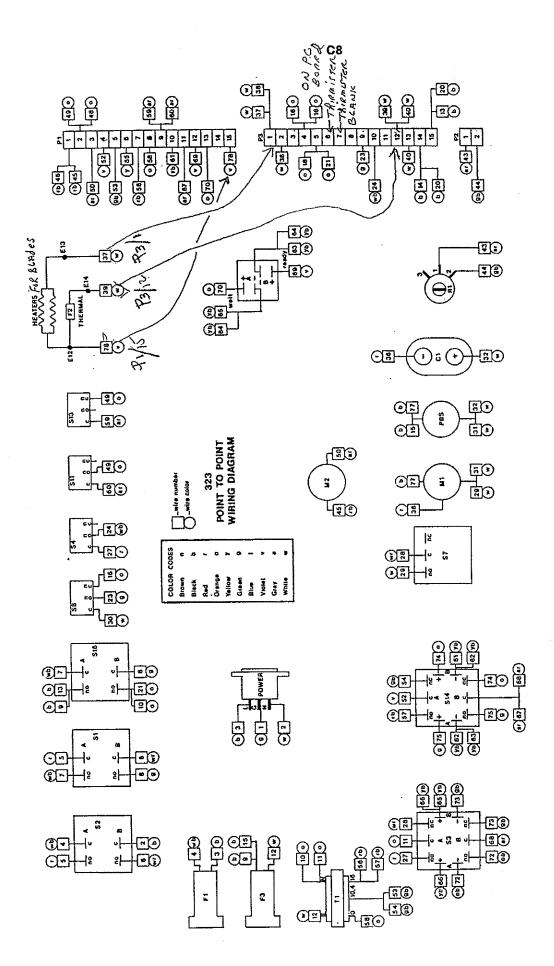
ABBREVIATION	DESCRIPTION	LOCATION		
Rl	Potentiometer	Fig. 28, Item No. 13		
V1	Transient Suppressor	P.C. Board Mark Vl		
Tl	Transformer	Fig. 20', Item No. 7		
K2	Relay	P.C. Board Mark K2		
CR3/4/5/6	Diode	P.C. Board Mark CR3/4/5/6		
Sll	Pressure Bar Switch	Fig. 18, Item No. 4		
S13	Bind Cam Switch	Fig. 27, Item No. 6		
S14a/S14b	Bind Speed Switch	Fig. 25, Item No. 12		
CRI	Rectifier	P.C. Board Mark CRl		
M2	D.C. Bind Motor	Fig. 26. Item No. 24		
C3	Capacitor	P.C. Board Mark C3		
Ql	Voltage Regulator	P.C. Board Mark Ql		
R7	Resistor	P.C. Board Mark R7		
R8	Resistor	P.C. Board Mark R8		
R9	Resistor	P.C. Board Mark R9		
C4	Capacitor	P.C. Board Mark C4		
53 b	Punch Mode Switch	Fig. 25, Item No.12		

INDICATOR CIRCUIT

The indicator lamps are driven by a +12 volt D.C. regulator (Q1). A voltage of 16 volts A.C. is rectified by CR3 - CR6 to pulsating D.C. voltage. C3 is used to filter the voltage at the input of Q1.

Q1 is a 7812 voltage regulator which regulates the input voltage to +12 VDC output, providing operating voltage to the indicator circuits.





C9.

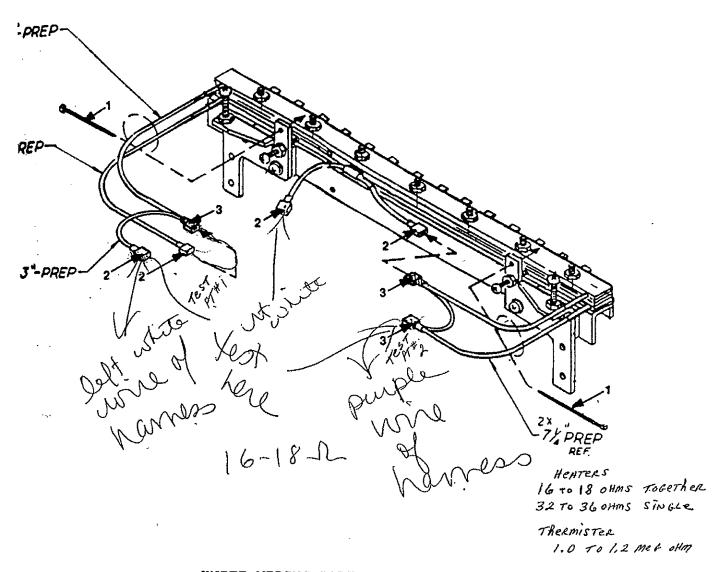
Wire No.	FROM	то	
1	Power (G)	Ground	
2	Power (N)	S2-B (C)	
3	Power (L)	Fl	
4	Fl	S2-A (C)	
5	S2-A (NO)	Sl-A (C)	
6	S2-B (NO)	Sl-B (C)	
7	S1-A (NO)	S16-A (C)	
8	Sl-B (NO)	S16-B (C)	
9	S16-A (NO)	F3	
10	S16-B (NO)	T1 (N)	
11	T1 (N)	S3-A (C)	
12	F3	Tl (L)	
13	S-16-A (NO)	P3-15	
14	P3-14	N/C	
15	F3	PBS	
16	P3-4	58 (NC)	
17	N/C	N/C	
18	P3-4	P3-5	
19	N/C	N/C	
20	P3-14	P3-15	
21	S16-B (NO)	P3-5	
22	N/C	N/C	
23	\$8	P3-9	
24	P3-10	S4 (NO)	
25	N/C	n/c	
26	N/C	N/C	
27	S4 (C)	S3-A (NO)	
28	S3-A (NC)	s7 (C)	
29	S7 (NO)	Ml (N) .	
30	N/C	n/c	

Wire No.	FROM	то	
31	Ml (N)	PBS (N)	
32	PBS (N)	Cl (+)	
33	N/C	N/C	
34	N/C	N/C	
35	N/C	N/C	
36	Cl (-)	Ml (C)	
37	P3-1	HTR (E13)	
38	P3-1	p3-2	
39	P3-12	F2 (E14)	
40	P3-12	P3-13	
41	N/C	N/C	
42	N/C	N/C	
43	P2-1	Rl (1)	
44	P2-2	R1 (2)	
45	P1-1	M2 (+)	
46	Pl-l	N/C	
47	N/C	N/C	
48	P1-2	S13 (NC)	
49	P1-2	S11 (NO)	
50	P1-3	M2 (-)	
51	N/C	N/C	
52	P1~4	S14-A (C)	
53	P1-5	Tl (10.4)	
54	Tl (10.4)	S14-A (NC)	
55	P1-6	N/C	
56	P1-7	Tl (16)	
57	Tl (16)	S14-A (NO)	
58	P1-8	Tl (Ø)	
59	Pl-9	S13 (C)	
60	Pl-9	S11 (C).	

Wire No.	FROM	то		
61	P1-10	S14-B (-)		
62	S14-B (-)	S14-A (-)		
63	S14-A (-)	L6-B (-)		
64	L6-B (-)	L5-A (-)		
65	L5-A (-)	S3-B (+)		
66	S3-B (+)	S3-A (+)		
67	Pl-11	S14-B (C)		
68	S14-B (C)	\$3-B (C)		
69	P1-12	L6-B (+)		
70	P1-13	L5-A (+)		
71	N/C	N/C		
72	\$3-A (-)	53-B (NO)		
73	S3-B (-)	S3-B (NC)		
74	S14-B (NC)	S14-B (+)		
75	S14-A (+)	S14-B (NO)		
76	N/C	N/C		
77	Ml (L) PBS (L)			
78	P1-15	HTR (El2)		
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115 VOLT KNIFE WIRING

7-34B



KNIFE WIRING PART NUMBER GUIDE

TEM	OLD PART NUMBER	NEW PART NUMBER	DESCRIPTION	QTY PER
1	4504000	9779396	Cable Tie	2
2	4502525-01	9779385	Insulated Terminal	4
3	59350007	9780158	Insulated Terminal	3