

COMPANY INC. **ISP** Stitching & Bindery Products solving your wire stitching needs for 125 years...

OWNERS MANUAL

MODEL 405



P Stitching & Bindery Products

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Section 1

INTRODUCTION

Here are the instructions on how to install operate, maintain, and make repairs on your

MODEL 405 BINDERY MATE

Bindery Mate Serial Number_____ Bindery Mate's M2000 Head Stitcher Serial Number

When ordering parts or requesting information, please state: Quantity required, part number, part name, model and serial number of your stitcher.

Your stitcher with the M2000 Stitching Head has been engineered and developed to provide you with the finest equipment available for your stitching needs. With proper care and maintenance it will give you years of satisfactory efficient service. This manual shows you how to get top performance from your stitcher and is divided into 7 major sections.

Read the Bindery Mate Manual throughly. Study it carefully. Best stitching performance will be assured, if all the adjustments are made as instructed, so that you get the following desired results.

- 1. Good Cut-Off
- 2. Uniform wire draw
- 3. Equal leg length
- 4. Proper clincher alignment
- 5. Sufficient compression

BINDERY MATE

PRODUCT SPECIFICATIONS

Unit Weight:	Overall:	30 I	Lbs.
	Without W	ire Spool: 25 I	Lbs.
Unit Envelope Size: Overall: Without Tables and Wire Guide:	Height 27" 22"	Length 15" 12 1/2"	Width 10" 4"
Wire (Interlake 417-0025) Wire Material: Wire Size: Wire Spool Weight:	-	0 p.s.i. tensile (.020" Diamete I (Fully Loade	r)
Stitching Speed Stitching Capacity (20 Lb. Bond Paper) Minimum Stitching thickness adjustment Maximum Stitching thickness adjustment Maximum Stitching thickness:	 173 stitches per minute, full load capacity. 199 stitches per minute, minimum load capacity. .94" Wire Draw, Approx. 57,000 stitches per 5 Lb. coil. 1.24" Wire Draw, Approx. 43,000 stitches per 5 Lb. Coil. 1/4" 		
Stitcher: Table (Flip-Up)/Saddle (Flip-Down) Length: Width:	M2000 Head CTTT-2605-T3 (Equipped with faceplate adjustment lever) 10" 4 3/4"		

Side Guides: Pop-Up/Pop Down pins in arms which adjust from 7/8" to 9 5/8" from center of clincher.

Corner Guides: Pop-Up/Pop Down pins in table for 45 degrees corner stitch.

BINDERY MATE

PRODUCT SPECIFICATIONS

Auxiliary Rear Table (For flat work support when de	
Length: Width:	10" 3"
Throat Depth:	4" Max.
Stitch Modes:	
Work Trip (For Table Mode):	Plug foot switch into rear of housing.
Foot Trip (For Saddle or Table Mode):	Manual Switch Control.
Master-Secondary (For use with multiple stacked unit):	Plug master into 2nd-3rd units for side by side multiple stitch (4 1/2 in. min. centers).
Quick adjust for 3/16" to 4" throat depth.	,

Push in and turn knob, on rear of housing,

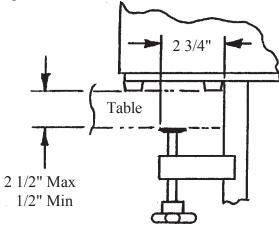
for manual forward or reverse operation.

Jog:

Electrical

Input: Control Circuit:	115 V.A.C. 60 HZ (Model 305) 12 V.D.C.
Motor:	1/20 HP, 90 V.D.C.
Circuit Breakers:	1 AMP for 115 V.A.C. Input

Mounting:



Section 2

SAFETY PRECAUTIONS AND PROCESURES

SAFETY

- 1. Make sure electrical power is turned off before performing any adjustment or maintainence.
- 2. Keep hand, tools, hair, and clothing clear of stitching area.
- 3. Become familiar with the moving components of your machine. Keep fingers away from areas that could pinch or cut.
- 4. Observe your plant safety rules.
- 5. Exert "good housekeeping" in your work area. Keep it as clean and uncluttered as possible.
- 6. A well maintained machine is a safer machine. Clean and lubricate the machine at regular intervals. Check machine daily for broken or worn parts. Replace as necessary. DO NOT attempt to operate the machine if a part is broken.
- 7. Route all electrical cables away from pedestrian transportation lanes.
- 8. See "Safety Guards/Cover" information. It points out areas where additional caution should be exercised. If you are unsure how to safely operate or maintain your Stitcher, contact your Service Representative.

ATTENTION

LE CIRCUIT D'ALIMENTATION DESTINE A UNE UNITE DE LA SERIE 405/406 DOIT COMPORTER UN FUSIBLE OU UNE PROTECTION THERMIQUE CALIBREE A <u>15 AMP MAXIMUM</u>. LA CAPACITE DE COURT CIRCUIT DU RESEAU NE PEUT PAS DEPASSER 2000 AMPS. **CAUTION** THE SUPPLY CIRCUIT FOR ANY 405/406 SERIES UNIT MUST USE A 15 AMP MAXIMUM FUSE OR <u>CIRCUIT BREAKER</u>. THE SHORT CIRCUIT CAPACITY OF THE SUPPLY CIRCUIT MUST NOT EXCEED 2000 AMPS.

SAFETY GUARDS/COVER

- A. Grey Plastic Cover: Covers frame, motor, mechanical, and electrical components.
- B. Front, Clear Plastic, Guard Assembly: A three position guard. In the fully downward position the guard is spring loaded to: cover the M2000 Head, and work trip adjustment knob; restrict access to the stitching area; depress a limit switch to allow the machine to operate. The guard can be swung up to its first detent position (about 70 deg.) to allow access to the work trip adjustment knob and lower portion of the M2000 Head. The guard is swung up to its second detent position (about 155 deg.) to allow total access to the M2000 Head for faceplate adjustment, lubrication, and wire threading.

DANGER

KEEP HANDS CLEAR OF STITCHING AREA

CAUTION

FOR YOUR SAFETY, MAKE SURE ALL COVERS ARE PROPERLY IN PLACE BEFORE OPERATING MACHINE

CAUTION

Do not operate stitcher until operating instructions have been read and understooddo not operate stitcher at anytime without work under the head.

Section 3 ASSEMBLY, LUBRICATION INSTALLATION

Note:

These instructions must be followed to insure proper installation, efficient operation and the prevention of serious damage to your stitcher.

Before Unpacking:

Examine the outside of the crate or carton for any visible damage. If damaged DO NOT UNPACK THE STITCHER. Notify the carrier who delivered the stitcher.

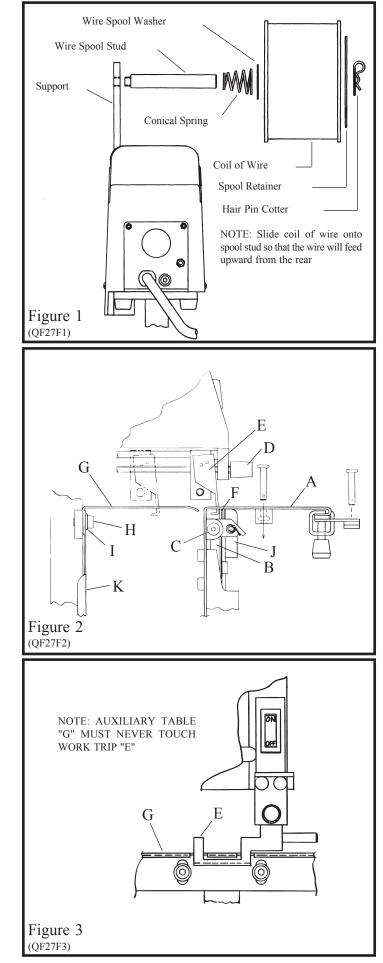
After Unpacking:

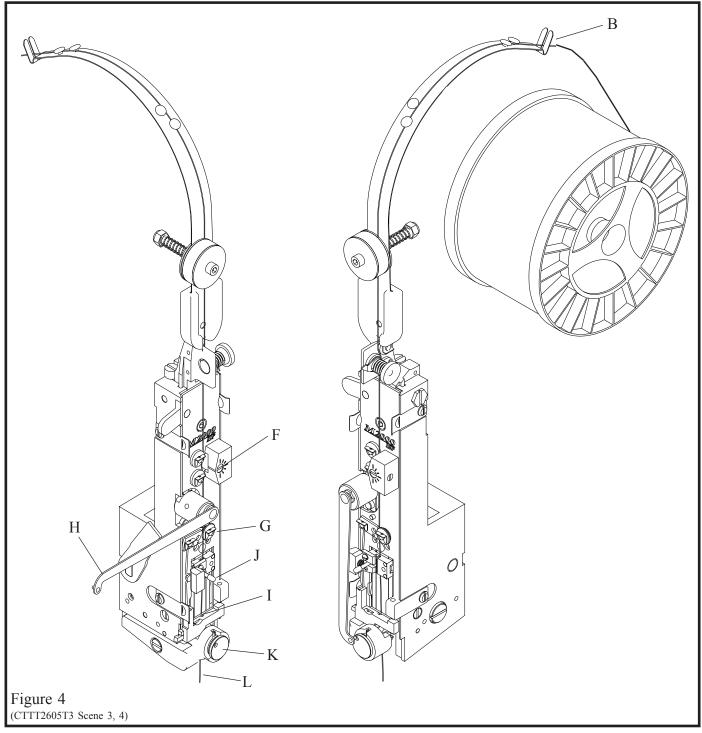
Examine your stitcher carefully for any damage in transit. If damaged, DO NOT INSTALL THE STITCHER. Notify your nearest representative and the carrier who delivered your stitcher.

Make certain that you get a signed copy of the Carrier Inspector's Report of the damage incurred

ASSEMBLY (FIGURES 1,2,3)

- 1. Clamp the Bindery Mate to a table or bench (see "Mounting" page 3). Assemble per figure 1.
- 2. Install Table/Saddle (Index A) to Table and Clincher Bracket (Index B) using the two shoulder screws (Index C). Shoulder of screws should extend through table and bottom out inside of table/clincher bracket.
- 3. Turn Trip lever Knob (Index D) counter clockwise and move the work trip (Index E) all the way toward the clincher (Index F). Install the Auxiliary Table (Index G) and Paper Guide (Index K) to the stand using the two .25-28 x .375 socket head cap screws and flat washers (Index H,I). The top surface of the auxiliary table should be at the same height as the main table. **NOTE: The auxiliary table MUST NEVER TOUCH THE WORK TRIP OR STITCHER WILL ACTIVATE (SEE FIGURE 3).**
- 4. Install Wire Guide Spring into wire guide bracket of M2000 Head.





THREADING WIRE AND ADJUSTING WIRE STRAIGHTENERS (See fig. 4)

- 1. Draw wire by hand, from the the coil (Index A).
- 2. Thread the wire through the slot (Index B) at the end of the wire guide spring, through the wire guides (Index C), between the thin and thick felt wire wipes (Index D), through the upper wire straightener (Index E), and through the lower wire straightener (Index F).
- 3. Release the rotator operating spring (Index H) from the rotator and swing it to the left. Remove Rotator (Index K).
- 4. Thread the wire between the tension pawl and tension roll (Index G). Feed the wire through the wire cutter lead-in hole (Index I) in the bottom of the face plate.
- 5. Push grip post to left to open the grip (Index J). Insert wire and release the post so that the grip engages the wire for feeding into the rotator.

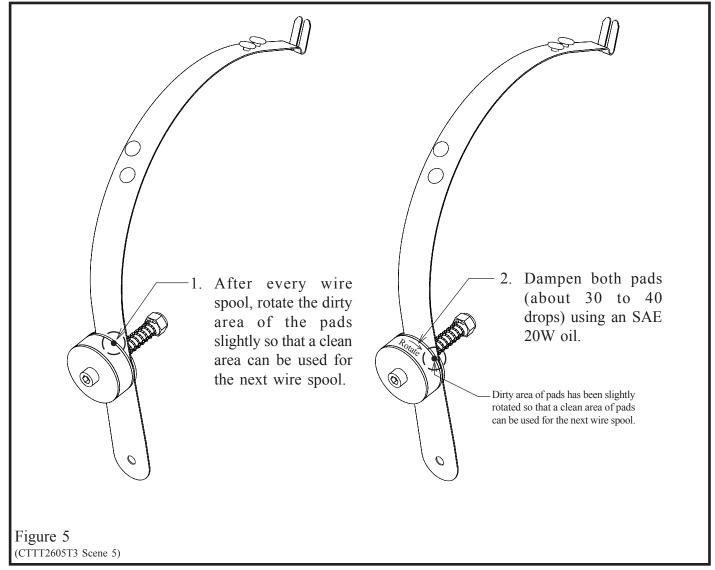
- 6. To check adjustment, hold open grip (Index J and pull about 1 1\2 feet of wire from below face plate. Cycle machine once by hand to cut wire. Cycle machine again by hand to observe wire straightness. The wire (Index L) should point straight down, prior to being cut, as shown in Figure 4.
- 7. Adjust the upper wire straightener, beginning at position shown, (Index E, Figure 4) so that the wire points straight down. Adjust the lower wire straightener, beginning at the 3:00 o'clock position, (Index F, Figures 4) so that the wire (Index L, Figure 4) feeds straight down.
- 8. Replace the rotator and rotator operating spring.

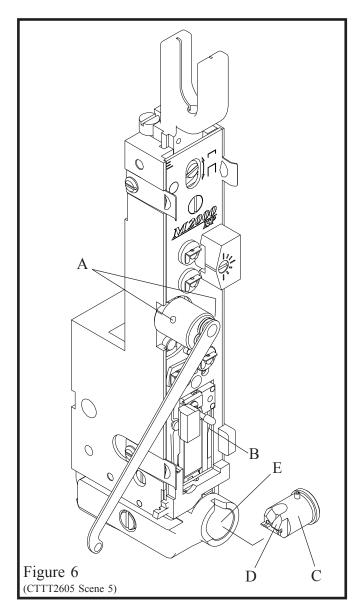
FELT WIPE PADS LUBRICATION AND MAINTAINANCE: (FIGURE 5)

IMPORTANT! In order for the stitchers to operate properly, the felt wire wipes **MUST** be rotated and dampened with SAE 20W oil before each new spool of wire (50,000 to 70,000 stitches). Replace felt pads when they become so dirty that they cannot be rotated to a clean spot.

<u>NOTE:</u>

When changing coils or wire sizes, check straightners to insure proper wire feed.

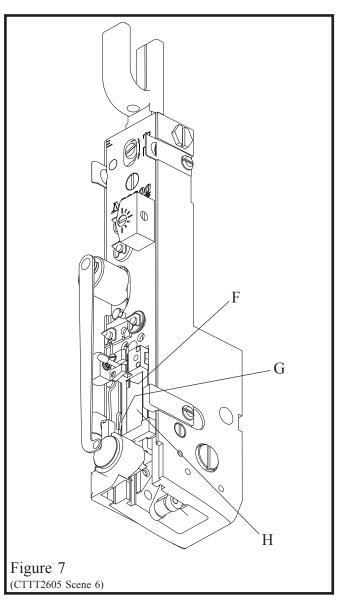




STITCHING HEAD LUBRICATION: (FIGURES 6 & 7)

Typically, the 1/2 inch crown stitcher will run for 1,000,000 cycles without additional lubrication. However, the following procedure used after each spool of wire will assure optimum life and performance. Use **ISP** lubricant #CA9640.

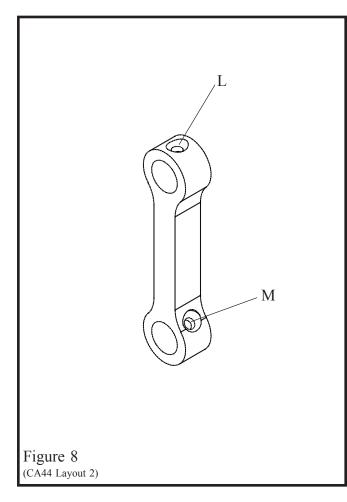
- A. Inject lube into hole, or remove and lube shafts.
- B. Wipe area clean and inject a small amount of lube into cam area.
- C. Remove rotator, wipe rotator clean and lube rotator body.
- D. Apply lube to rotator ramp.
- E. Wipe clean inside of rotator holder.



- F. Inject a small amount of lube into cam area of driver bar.
- G. Inject lube into cutter operating slide.
- H. Wipe driver clean, and apply a light coating of lube.

After prolonged use (or storage) accumulations of wire dust, dirt, or other contaminants can mix with the stitcher lubricant. This will reduce the lubricant's effectiveness. The following procedure is recommended every 1,000,000 cycles.

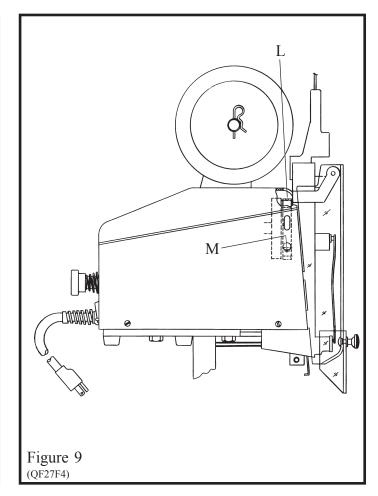
- 1. Disassemble the head and clean all parts.
- 2. Lightly lube all sliding surfaces using **ISP** lubricant #CA9640.
- 3. Double check lube points A through H.

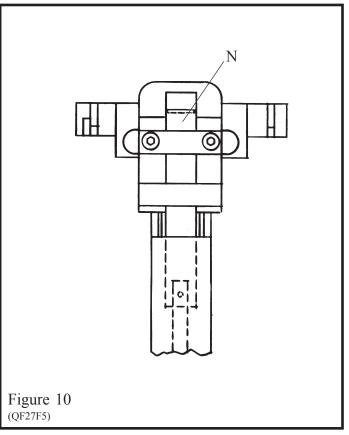


EXTERNAL LUBRICATION: (FIGURES 8, 9, 10)

Lubricate the following points before each spool of wire using SAE 20 oil.

- L. One drop in top hole of head operating link. Access through slot at top of cover behind stitcher head.
- M. One drop in lower/side hole of head operating link. Access through round hole (while viewing through slot immediately above round hole) in side of cover.
- N. One drop on clincher slide.



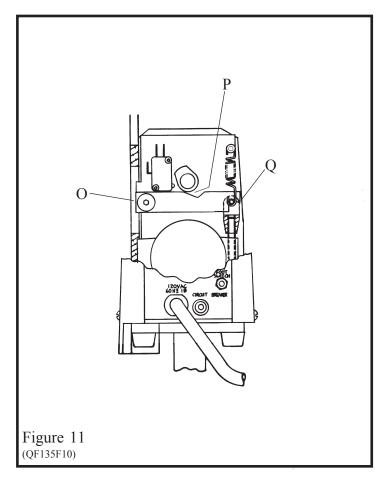


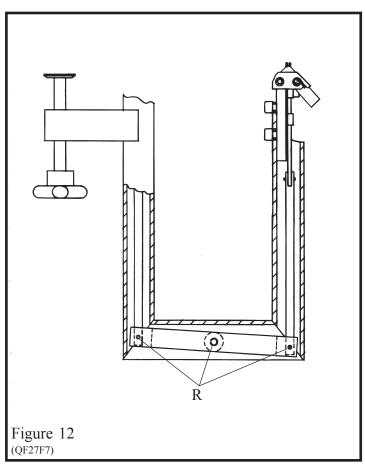
INTERNAL LUBRICATION (FIGURES 11, 12)

Frequency of Lubrication: Every 500,000 stitches or once a year, which ever comes first.

Unplug power cord, remove grey plastic cover and apply oil as follows:

- O. Two drops to pivot point of clincher operating lever.
- P. One drop between cam and clincher operating lever.
- Q. One drop on roll pin.
- R. One drop on each clincher rocker lever roll





Section 4

OPERATION

General:

After having properly installed and set up the machine, it is now ready for stitching. It is recommended that each operator be instructed as to correct operating procedure and normal adjustments necessary for varying work conditions.

WARNING

Prevent accidents by following these rules:

- 1. Do not put your hands near area to be stitched when machine is operating.
- 2. Turn the power off when the stitcher is not in use.

Table/Saddle Conversion:

To convert from saddle to table fully raise front sliding guard (Index 118, page 37), swing up front of saddle until the two spring loaded table braces (Index J, Fig.2) flip up to keep the table from swinging back down.

To convert from table to saddle gently lift the front of the table, pull forward at the bottom of one of the table braces until the table can be gently swung down to saddle position. Fully lower front sliding guard (Index 118, page 37).

Table Stitching Using the Work Trip:

Position table/saddle for table stitching. Switch off power. Swing up front guard assembly. Turn the

trip lever knob counter clockwise and position the work trip to achieve the desired stitch location. Swing down the front guard assembly. Switch power on. Insert work, from the front, into the stitching area until the work depresses the work trip, causing stitch.

Table Stitching Using the Foot switch:

Switch off power. Swing up front guard assembly. Position table/saddle for saddle stitching. Turn the trip lever knob counter clockwise and position the work trip to serve as a back gauge or move work trip completely back out of the way of the work. Plug the foot switch cord into foot switch outlet on rear control panel (work trip is then automatically bypassed). Switch power on. Load work, from the front, into the stitching area. Once the work is positioned as desired step on foot switch to cause a stitch.

Hand Jog:

A hand jog is located at the rear of the machine. To manually cycle the Bindery Mate: switch off power; push in and rotate knob counter clockwise to go through a normal stitch cycle, or clockwise for a reverse cycle.

Master Out and SecondaryUnit In:

These outlets are only for use with the "Multiple Stitch Accessories".

Saddle Stitching-Foot Switch Use Only:

Switch off power. Swing up front guard assembly. Turn the trip lever knob counter clockwise, and move the work trip all the way back. Position the table/saddle for saddle stitching. Swing down the front guard assembly. Slightly loosen the two knobs (counter clockwise) securing the front sliding guard to the front guard. Allow the front sliding guard to drop to the saddle position. Retighten the two knobs. Plug the foot switch cord into foot switch outlet on rear control panel (work trip is then automatically passed). Switch power on. Load work from either side and step on foot switch to cause a stitch.

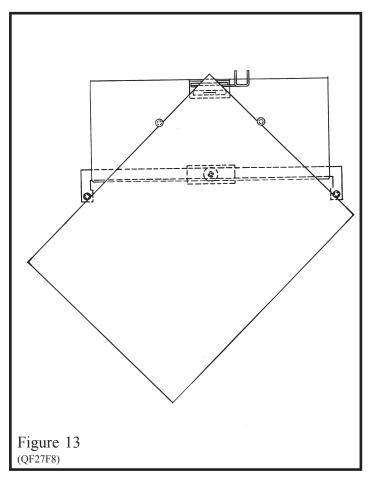
CAUTION

AVOID DAMAGE TO YOUR STITCHER BY FOLLOWING THESE RULES:

- 1. Never operate your stitcher with wire feeding unless you have work material between the clinchers and benderbar.
- 2. Do not drive one stitch on top of another.

Work Guides:

- A. Side Guides: To adjust side guides pop-up the pins at the end of each guide, loosen the screw knob beneath the table, position guides as desired, and retighten the screw knob.
- B. Corner Stitch Guides-Table Use Only: Pop Up the pins located in the table and the pins located



at the end of each side guide. Using your work as a set up tool, position and secure the side guides as indicated in figure 13. Switch off power, swing upfront guard assembly, and move the work trip all the way forward. Swing front guard assembly back down and switch on power. Push work into corner guided area of table until depression of work trip causes a stitch.

Changing Work Thickness:

Changing work thichness will probably require a change of the wire draw length used to make a stitch. This is done by raising or lowering the face plate. To change face plate position switch off power; swing front guard assembly up to the second detente position; loosen the faceplate screw (Located directly above "M2000" on the face plate), move the position lever up for more wire or down for less wire, retighten faceplate screw, and swing down front guard.

Section 5 MAINTENANCE, TROUBLE SHOOTING AND ADJUSTMENTS

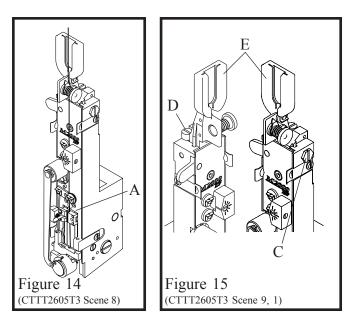
General

Every Bindery Mate's M2000 Head Stitcher has a friction-type head which depends on smooth sliding friction and proper timing to function correctly. Preventative maintenance will go far to insure trouble-free operation. Avoid production down time by keeping your stitcher in top working condition at all times.

Recommended Spare Parts

Like any equipment that has moving parts, certain parts of your stitcher will be subjected to more wear than others and require replacement. The following listing includes all the parts required for minimum maintenance and good operation of your Bindery Mate.

PART NAME	PART NO.	QTY.
Wire Cutters	CA9048	2
Grip	CA9015D	1
Grip Spring	CA168	1
Tension Roll Clip	CA9124	2
Rotator	CAA9038E	1
Clincher Points	CA9083	2



Caution

MAKE ALL ADJUSTMENTS WITH THE POWER OFF AND THE STITCHING HEAD IN NEUTRAL POSITION! (Fig. 14)

In neutral position, the wire grip assembly (Index A) is stopped at the top of the slot in the face plate.

Stitching Adjustments

Best stitching performance will be assured if all adjustments are made so that you get the following results:

- 1. Good Cut-Off
- 2. Uniform Wire Draw
- 3. Equal Leg Length
- 4. Proper Clincher Alignment
- 5. Sufficient Compression

To Equalize Both Legs of Stitch (Fig. 15)

- 1. Loosen the wire guide locking bolt (Index C).
- 2. Turn adjusting screw (Index D) clockwise to shorten left leg of stitch; counter clockwise to lenghten left leg.
- 3. Tap bracket (Index E) down before tightening bolt (Index C).

M2000 Head Trouble Shooting

HERE'S HOW A PERFECT STITCH LOOKS

Should stitches appear in any form other than illustrated, one or more kinds of mechanical trouble may have caused the malformation. The possible causes and remedies are given for each kind of mechanical trouble and are listed under each section. The remedies are indexed to the Adjustments Section which gives more detailed information about your stitcher, the mechanical trouble that may occur and suggested remedies. Unless you recognize the correct cause, check each possible cause given.

TROUBLE	POSSIBLE CAUSE	REMEDY	
A. Defective Stitches			
 One or both legs buckled. NOTE: Since buckled legs are often concealed in the work and may appear the same as a short leg, always remove two or more stitches to see which is occurring. 2. Wrinkled crown. 	 Clincher is worn or improperly aligned. Insufficient compression. Unequal leg length Burred stitch leg. Incorrect wire size. Worn bender bar. 	"C,F" Page 20,22 "A,B" Page 20 See "To Equalize Both Legs of Stitch" Page 13 "L" Page 25 "N" Page 26 "G" Page 22	
3. Length of one leg varies	 Leg Lengths not adjusted properly Gripper is worn or dirty Grip release slide is worn Broken wire guide spring (index 65H) Excessive tension on wire straightner Worn Driver bar Worn Tension Pawl or weak tension pawl spring Weak or broken grip spring 	See "To Equalize Both Legs of Stitch" Page 13 "K" Page 24 "K" Page 24 Page 40 "P" Page 27 "I" Page 23 "R" Page 28 "K" Page 24	

M2000 Head Trouble Shooting

TROUBLE	POSSIBLE CAUSE	REMEDY
4. Corner of crown distorted or fractured	 Excessive compression Broken driver bar end Worn bender bar Clincher improperly aligned or worn Incorrect wire size 	"A,B" Page 20 "I" Page 23 "G" Page 22 "C,F" Page 20,22 "N" Page 26
5. Stitch crown not flat and legs not bent into work	1. Insufficient compression	"A,B" Page 20
6. One or both legs turn out	1. Clincher improperly aligned	"F" Page 22
	2. Dull cutters	"L" Page 25
7. Flat piece of wire	 Rotator is dirty Improperly adjusted lower wire straightener Broken or worn rotator Improperly aligned rotator 	"O" Page 26,27 "P" Page 27 "O" Page 26,27 "O" page 26,27
8. Stitches come out in pieces	 Improperly aligned rotator Weak rotator operating spring Improperly adjusted upper wire straightener Incorrect wire size Wire jammed in bender bar grooves 	"O" Page 26,27 "O" Page 26,27 "P" Page 27 "N" Page 26 "G,I" Page 22,23
9. Both stitcher legs are either too long or too short	Face plate not adjusted properly	See "Changing Work Thichness" Page 12

M2000 Head Trouble Shooting

TROUBLE	POSSIBLE CAUSE	REMEDY
B. WIRE BUCKLES		
1. Wire buckles above the grip and below the tension pawl	 Worn driver bar Worn bender bar latch 	"I" Page 23
	 Worn bender bar laten Worn or broken bender bar friction plug and/or spring 	"J" Page 24 "H" Page 22
Figure 16 (CTTT2605 Scene 10VA) 2. Wire Buckles above the wire cutters and below the grip	1. Improperly aligned rotator	"O" Page 26,27
	2. Worn or broken wire cutters	"L" Page 25
	3. Burrs on rotator	"O" Page 26,27
	4. Improperly adjusted lower wire straightner	"P" Page 27
	5. Worn or broken wire cutter operating slide	"M" Page 26
	6. Wire cutter slot in face plate worn	"L" Page 25

1. Grip does not close with position lever up.	Face plate is too high	Loosen face plate screw, turn set screw (item 36H, page 40) downward slightly in face plate clip (item 35H, page 40), re- tighten face plate screw.

Drive Trouble Shooting

TROUBLE	POSSIBLE CAUSE	REMEDY
On/Off switch does not light when switched on	Power cord unplugged	Plug in power cord
	Circuit breaker is blown	Press in extended circuit breaker NOTE: If recently blown, wait 10 min. before pressing in
	Faulty electrical connection	Use electrical schematic page 42, 43 to check wiring
Stitcher drive does not operate with work trip	Safety switch is not being depressed by front guard	Adjust front guard and/or safety switch bracket
	Foot switch is plugged in	Unplug foot switch
	Circuit breaker is blown	Press in the extended citcuit breaker. NOTE: If recently blown, wait 10 min. before pressing in
	Faulty foot switch jack	Repair or replace foot switch jack See foot switch schematic page 42 for reference
	Contaminants on electrical contacts of trip mechanism	Turn trip lever knob counter clockwise and move trip mecha- nism from front to back a few times
	Faulty electrical contact of trip machanism. (Pressing the trip should break the circuit between the round trip locating rod, Item 25 page 35, and the hexagonal paper trip rod, Item 24 page 35)	Remove trip machanism, clean, repair, or replace contaminated or damaged items
	Faulty electrical connections	Use electrical schematic page 42 to check wiring
[Faulty safety switch	Replace switch
[Faulty motor (test using 90 vdc)	Replace motor
	Faulty circuit board	Replace circuit board

Drive Trouble Shooting

TROUBLE	POSSIBLE CAUSE	REMEDY
Stitcher drive does not operate when foot switch is depressed	Safety Switch is not being depressed by front guard	Adjust front guard and/or safety switch bracket
	Circuit breaker is blown	Press in the extended circuit breaker. NOTE: If recently blown, wait 10 min. before pressing in.
	Faulty foot switch (pressing foot switch should break contacts of switch inside Footswitch assembly)	Replace footswitch
	Faulty electrical connections	Use electrical schematic page 42 to check wiring
	Faulty safety switch	Replace switch
	Faulty motor (test using 90 vdc)	Replace motor
	Faulty circuit board	Replace circuit board
Stitcher keeps cycling, without depressing footswitch or work trip, until power is shut off	Faulty cam switch	replace switch
	Faulty electrical connections	Use electrical schematic page 42 to check wiring

NOTES

CAUTION

Turn Power OFF Before making Any Adjustments

A. Insufficient or Excessive Compression

Proper compression of work between the clincher and the bender bars is necessary so that the stitch penetrates the work material and clinches correctly. To test for compression, drive several stitches into sample work material. With proper compression, stitches hold the work together firmly and the clinched legs do not overlap. In the following instances, either one or all of the conditions may exist: with insufficient compression, stitch legs overlap, crown of the stitch is fractured, and the work mutilated. To change compression adjust the table/clincher bracket.

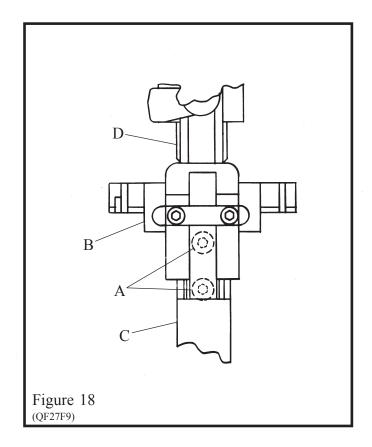
B. Table/Clincher Bracket Adjustment (Figure 18)

- 1. Remove wire from rotator, and turn the jog knob clockwise until the bender bar is fully down.
- 2. Loosen the two screws (Index A) securing the table/clincher bracket (Index B) to the stand (Index C).
- Move the table/clincher bracket up until the top of the clincher assembly squarely touches the bottom of the fully lowered bender bar. (Index D)
- 4. Retighten the two screws.

C. Clincher (Figure 19)

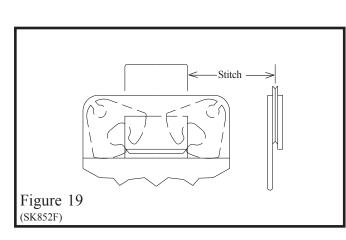
The purpose of the clincher is to turn the legs of the stitch back after they have penetrated the work material.

With the Activated (moving) Type clincher, the stitch legs must enter the clincher at the same time and with equal spacing from each side. When the stitch legs have penetrated the work material, the moving clinchers are raised to bend the legs towards each



other and up flat against the work. The clincher points must bend both legs of the stitch against the work with the same force. Clincher points must always move freely and not bind. Dirt, wire chips, etc. will cause the points to bind.

The clincher points are in a retracted position in the clincher box until the stitch legs penetrate the work material. After the legs penetrate, the clincher points move upward to give a neat, flat clinch against the bottom surface of the work material. If the clincher points remain in the up position, the legs of the next stitch cannot penetrate the work material, causing the stitch legs to buckle and/or the corners of the crown to fracture. Examine the clincher points, clincher slide for possible binding. Clean and oil. If clincher points rise to high, they fracture the stitch legs and/or mar the work. If the points do not rise high enough, the legs will not clinch flat. Adjust the height of the clincher points.



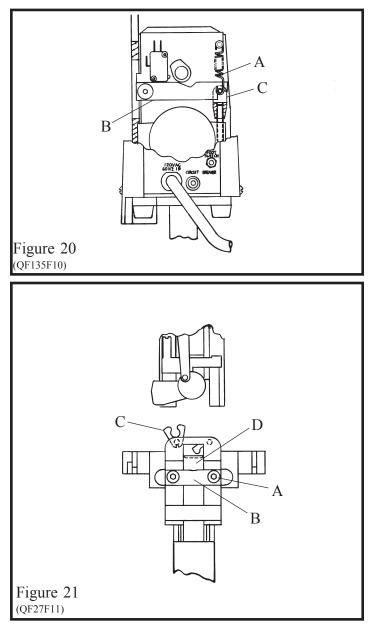
D. To Adjust Clincher Points Height (Figure 20)

- 1. Turn off power and unplug power cord.
- 2. Remove wire coil, washer, compression spring and stud.
- 3. Swing up front guard assembly to 1st detent position.
- 4. Unscrew the four screws securing cover and remove cover.
- 5. Unhook and remove the extension spring (Index A).
- Lift clincher operating lever (Index B) away from clevis (Index C) and turn clevis clockwise to lower the clinchers, counterclockwise to raise the clinchers. Note: clinchers will raise or lower .025" per 360 degree turn of clevis.
- 7. Reassemble unit.

If the clinchers points are broken, the stitch legs will not clinch and/or be deformed. Reverse or replace the clincher points.

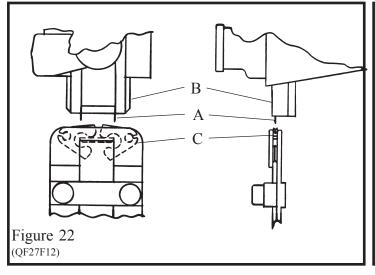
E. To Reverse or Replace Clincher Points (Figure 21)

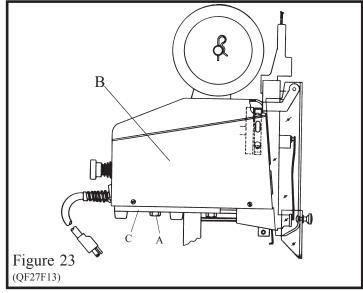
- 1. Remove the two screws (Index A) securing the clincher slide brace (Index B). Remove brace.
- 2. Move clincher slide away from clincher points (Index C).
- 3. Raise the clincher points, and reverse or replace.



4. When reassembling, push the clincher points down so that the top lip of the clincher slide (Index D) will engage the center of the clincher points. Note: Clincher slide must move freely up and down after reassembly.

The proper alignment of the clincher under the formers is one of the most critical adjustments on the stitcher. Therefore, extreme care should be taken to align the clincher so that both legs of the stitch strike the clincher at the same time with equal spacing from the outside edges of the grooves (See Figure 19). Also, the clincher must be aligned with the bender bar grooves of the head from front to rear so that the legs enter the clincher at the widest section of the clincher grooves.

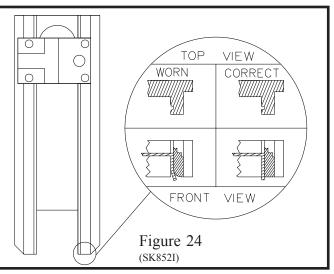




F. Head/Clincher Alignment (Figures 22, 23)

To test alignment: Drive several stitches into a section of material identical to that which is to be stitched. The clinched legs should be identical and aligned with each other. If the legs are not in alignment, make the following adjustments:

- With power off, press in and turn the jog knob clockwise until the legs of the stitch (Index A, Fig. 22) appear just below the bender bar (Index B).
- 2. Loosen the four bolts (Index A, Fig. 23) securing the base (Index B) to the stand (Index C).
- 3. Move the base until the legs of the stitch line up with the clincher points (Index C, Fig. 22).
- 4. Tighten the four base mounting bolts.



G. Bender Bar (Figure 24)

The bender bar bends the wire over the rotator and forms it into an unclinched stitch. The legs of the stitch are guided towards the work material by the bender bar grooves. The legs of the unclinched stitch should be perpendicular to the crown. When the bender bar grooves become worn, the legs tend to flare out (Figure 24) as they emerge from the grooves. This causes the legs to strike the clincher improperly. As a result, one or both legs will crumple and a broken driver bar or a broken bender bar can result. If the lower end of the bender bar groove becomes chipped, it will not support the wire and may cause the stitch to break at the crown. Replace the bender bar assembly (See Section H or Fig. 25). Other bender bar functions are related to wire cutting (Section L), and driving (Section I).

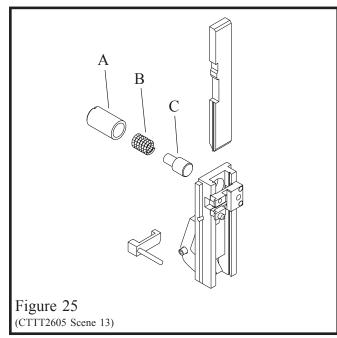
H. Bender Bar Friction Plug And/ Or Spring (Fig. 25)

Two parts furnish pressure to coordinate movement of driver bar and bender bar. If pressure is insufficient, proper timing is not maintained for the action of the grip. As a result, wire feeds backwards. Replace the plug and/or spring.

To replace bender bar friction plug and/or bender bar friction spring:

Remove bender bar assembly by following steps

 through 23 of "Removing and Dismantling
 M2000 Head", Pages 29 and 30.



- Remove bender bar friction bushing (Index A). Bender bar friction plug (Index C) and spring (Index B) will be released forward from bender bar assembly.
- 3. Replace plug and/or spring and reassemble.

I. Driver Bar (Figure 26)

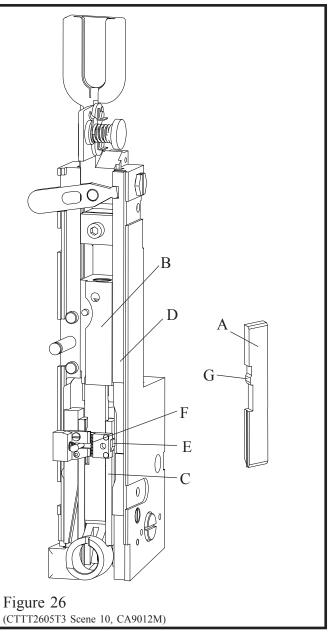
The driver bar (Index A) has several functions:

- 1. It imparts the downward thrust from the driving slide assembly (Index B) to the bender bar assembly (Index C).
- 2. It returns these parts to the neutral position on the upstroke.
- In conjunction with the grip release slide (Index D), it controls the movement of the bender bar latch (Index E) that opens and closes the grip (Index F).

If the notches (Index G) at the top left side of the driver bar become worn, the grip will not remain open on the upstroke. As a result the wire feeds backwards and buckles above the grip and below the tension pawl. Worn notches can also cause uneven wire draw. Replace the driver bar.

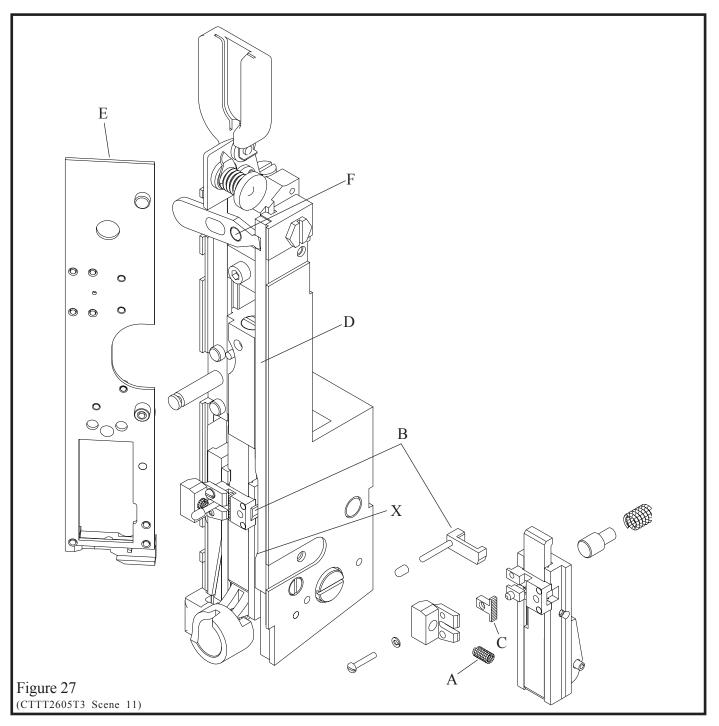
The notches shown on left side of driver bar play an important part in function of bender bar assembly therefore, corners should be free of dirt and notches not marred.

The driver bar rides within the bender bar grooves as part of the bender bar assembly. As this assembly reaches the lower contact point of the cam in the



grip release slide, the bender bar latch is forced inward, releasing the wire grip and permitting the bender bar assembly to continue downward with the end of the driver bar riding on top of the formed stitch. When the bender bar is stopped against the work material, the driver bar continues downward to exert pressure on the crown of the stitch, driving it through the work material.

If the end of the driver bar is chipped it allows the legs of the stitch to back up into the broken area. This causes the corner of the crown to fracture or a "spike" section to protrude above the crown. A chipped driver bar is usually the result of driving a stitch on top of another stitch. A worn driver bar often causes deformed stitches or fracturing at the corners of the crown.

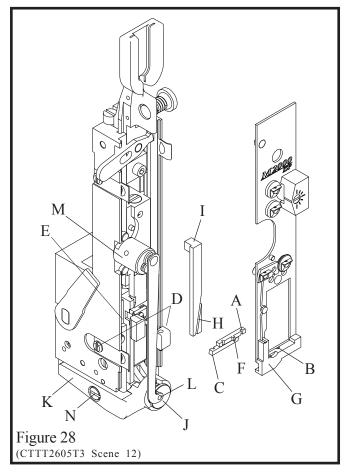


J. Bender Bar Latch

The bender bar latch opens and closes and is actuated by the grip release slide and driver bar. If the contact points of the latch become worn, timing of the grip is erratic and uneven wire feed results. A dirty latch will decrease pressure of the grip on the wire. This causes wire slippage. Clean or replace the latch.

K. Grip, Grip Release Slide and Face Plate: (Figure 27)

The grip spring (Index A) exerts pressure on the benderbar latch (Index B) to close the grip (Index C) at the start of the down stroke. The grip release slide (Index D) actuates the bender bar latch at point X to open the grip after the correct amount of wire has been fed to make a stitch. The serrated teeth on the grip must be sharp or slippage will occur, producing uneven wire draw.



When the face plate (Index E) is adjusted (See "Changing Work Thickness", page 12) a pivotal action (at point F) changes the position of the grip slide. When the face plate is raised, it moves the grip release slide down. The gripper can then remain closed longer, on the downstroke, feeding more wire for the stitch. When the face plate is lowered, it moves the grip release slide up. The gripper will open sooner on the downstroke, feeding less wire for the stitch.

If the grip is weak, uneven wire draw will result. Replace the grip spring. If the contact points on the grip release slide and/or the bender bar latch are worn, wire adjustment will not remain accurate.

The face plate stops the bender bar assembly at the top of its stroke and allows the bender bar latch to close the grip. When the face plate is too high, too much of the upstroke has been used before the bender bar hits the face plate. In the remaining portion of the upstroke, the driver bar cannot continue upward enough to release the bender bar latch so that it can close the grip.

L. Wire Cutters: (Figure 28)

The purpose of the wire cutters is to shear the wire cleanly. There are two wire cutters, upper and lower. The upper wire cutter (Index A) recieves wire from the grip through the wire cutter lead-inhole (Index B). It also serves as the cut-off die. The lower wire cutter (Index C) is the cutting knife. If the cutter breaks, it will cover the lead-in hole. This prevents the wire from feeding into the rotator. If the cutting surfaces become worn, burrs will result on the end of the wire. This prevents the wire from feeding into the rotator. As a result, the wire buckles between the cutters and the wire grip. Reverse, interchange or replace the cutters.

To Reverse, Interchange or Replace the Wire Cutters:

- 1. Loosen both face plate retaining clips (Index D) at bottom of bonnet.
- 2. Spring the face plate out 1/8" while holding the cutter clide in position (Index E).
- 3. Slide the cutters out to the left.
- 4. Reverse, interchange or replace the cutters.

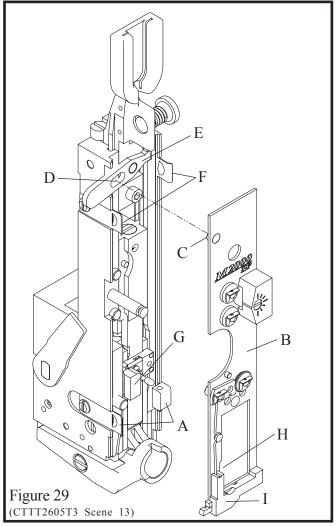
NOTE

While installing the cutters, make sure that (1): lip on upper cutter (Index F) fits into the recess behind the face plate (Index G) and (2):that the lip on the bottom cutter fits into the slot (Index H) in the wire cutter operating slide (Index I).

The wire cutter operating slide actuates the lower wire cutter. If the slide is worn or broken, the wire cutter is not actuated. Replace the operating slide. The slot in the lower part of the face plate contains the wire cutter and maintains a close fit for wire shearing. If this slot becomes oversized, the wire will not be cut off. Replace face plate. **To Replace Face Plate (See Steps 1 through 10, Section M)**

NOTE: (Figure 29)

The lug (Index C) in the faceplate must match the slot (Index D) in the grip release adjusting lever (Index E) or damage to the head may result.



M. Wire Cutter Operating Slide

The wire cutter operating slide actuates the lower wire cutter which acts as the cutting knife. If the slide is worn or broken, the wire cutter is not actuated. Replace the operating slide.

To Replace The Wire Cutter Operating Slide:

- 1. Cut the wire at the bracket and pull the loose end out.
- 2. Remove the stitcher head assembly.
- 3. Lift end of spring (Index L, Figure 28) out of rotator.
- 4. Swing the spring up to disengage it and lift out.
- 5. Slip the rotator operating cam (Index M, Figure 28) forward and off the stud.
- 6. Pull the rotator forward.
- Loosen the two face plate retaining clips (Index A, Figure 29) and rotate them downward.
- 8. Push two face plate retaining clips (Index F) outward while lifting face plate up, or remove retaining clips to release face plate.

- 9. Position grip spring housing (Index G) between tension pawl spring retainer (Index H) and cutter housing (Index I).
- 10. Remove face plate (Index B) by sliding face plate to the left and lifting up.
- 11. Remove the cutter operating slide (Index I, Figure 28).
- 12. Insert a new cutter operating slide.
- 13. Reassemble

N. Proper Wire

The Bindery Mate is designed to use 25 gauge (.020" diameter) 120,000 to 159,000 psi tensile strength bookbinders wire.

If the wire used is larger than the bender bar grooves were designed for, it will fracture at the stitch corners and come out in pieces. Also, serious damage to the stitcher may result. If the wire used is smaller than the bender bar grooves were designed for, the legs of the stitch do not fit snugly in the grooves and may tend to buckle when they strike the work material because they are not fully supported.

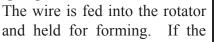
O. Rotator (Figure 28)

The rotator (Index J) (1) recieves the wire from the cut-off die, (2) holds the wire while it is being cut, then (3) turns it to a horizontal position, moves it under the bender bar grooves and (4) supports the wire while it is being formed into a "U-shaped" stitch.

The wire lead-in-funnel of the rotator must be aligned with the wire as it comes through the wire cutters. If the rotator is improperly aligned, the wire hits the rotator and buckles. Adjust upper two wire straightners until wire slips past rotator. Burrs on the rotator prevent the wire from entering the rotator. This causes wire buckling. Remove the rotator and polish the lead-in radius.

The magnets in the rotator hold the wire firmly in the rotator. If a magnet is broken or chipped the wire may fall out. To determine if the rotator has the proper holding strength, remove the rotator and insert a cut length of wire in the rotator. Hold rotator between thumb and forefinger. Attempt to jar wire loose by hitting heel on hand on top of table or against other hand. With proper magnetic holding force wire will remain in rotator. With insufficient holding force wire will fall from rotator. Replace the rotator.

The rotator holder and rotator operating spring are responsible for alignment of the wire beneath the bender bar grooves. The position of the rotator holder determines how far the rotator is pushed forward under the bender bar by the rotator operating spring (Index L). A weak spring will not push the rotator in far enough and with this improper alignment the bender bar will knock the wire from the rotator or will shear the wire into pieces. To secure proper alignment, check the position of the rotator operating spring. Make any necessary adjustment of the rotator holder or replace the rotator operating spring if weak.



and held for forming. If the Figure 30 rotator is dirty, the wire is not (CTTT2605T3 Scene 3, 4)

gripped securely enough and drops out. Remove and clean the rotator. If the edges over which the wire is formed are sharp, the corners of the stitch crown will fracture. Remove the rotator and polish the edges with a fine emery cloth.

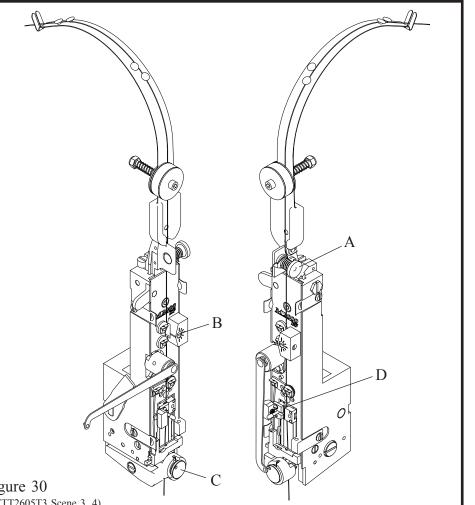
To remove, Adjust or Replace the Rotator Holder:

- 1. Swing the rotator operating spring to the left.
- 2. Remove the rotator.
- 3. Loosen the rotator holder screw (Index N).
- 4. Adjust the rotator holder screw.
- 5. Re-assemble.

P. Wire Straighteners: (Figure 30)

All coils of stitching wire have a certain amount of bundle curve. The purpose of a wire straightener is to remove this curve. There is both an upper wire straightener (Index A) and a lower wire straightener (Index B) on all M2000 Model Stitchers. See "Threading Wire and Adjusting Wire Straighteners" page 6.

The upper wire straightener should feed wire parallel

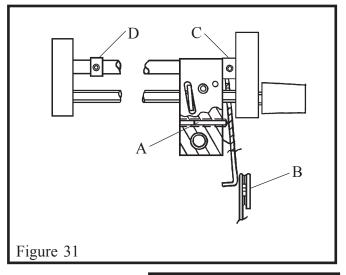


to the faceplate. This insures that the wire will properly enter the rotator and will be aligned with the grooves in the bender bar. If the wire is not parallel to the face plate the wire is sheared in the rotator as the bender bar descends. Adjust the upper wire straightener.

The lower wire straightener directs the wire straight down so that it enters the rotator (Index C). If the wire is not straight enough it hits the rotator and buckles. Adjust the lower wire straightener so that the wire points straight down as in figure 30. Improper straightening of the wire can also cause the stitch legs to buckle or turn out because they strike the clincher improperly. Excessive tension on the wire straightener prevents the grip (Index D) from feeding the wire smoothly. This causes variation in leg length.

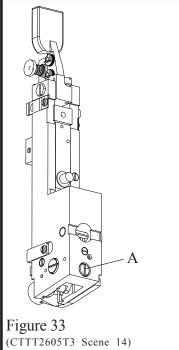
NOTE:

Check the wire straighteners when changing the coils to insure the accurate feeding of wire.



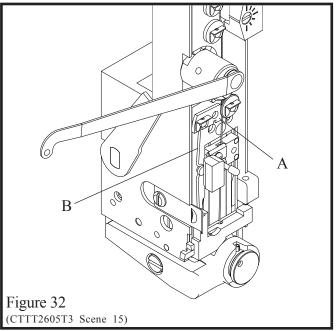
Q. Supporter

The supporter furnishes the necessary support to the inside surface of the stitch so that it does not buckle as it is being driven into the work material. A lack of (or insufficient) support will often cause the stitch crown to wrinkle or the legs of the stitch to buckle. Tighten the supporter spring bushing (Index A, Figure 33) or replace the spring.



If the corners of the top surface of the supporter are too sharp, or nicked, the corners of the stitch crown will fracture. To inspect the supporter:

- Turn the jog knob clockwise until the bender bars touch the work material and the legs of the stitch are about to leave the bender bar grooves. At this point, the supporter should be touching the underside of the crown. DO NOT TURN THE MOTOR ON
- 2. Continue turning the jog knob until the stitch is completely driven. Although the supporter is gradually retracted by the driver, it should remain under the crown of the stitch until the last instant before the crown touches the work material.



R. Tension Pawl: (Figure 32)

The tension pawl (Index A) and spring (Index B) apply pressure on the wire to prevent back feed. If the pawl becomes worn or the spring becomes weak, the wire feeds backwards. Reverse or replace the tension pawl and/or spring.

S. Work Trip: (Figure 31)

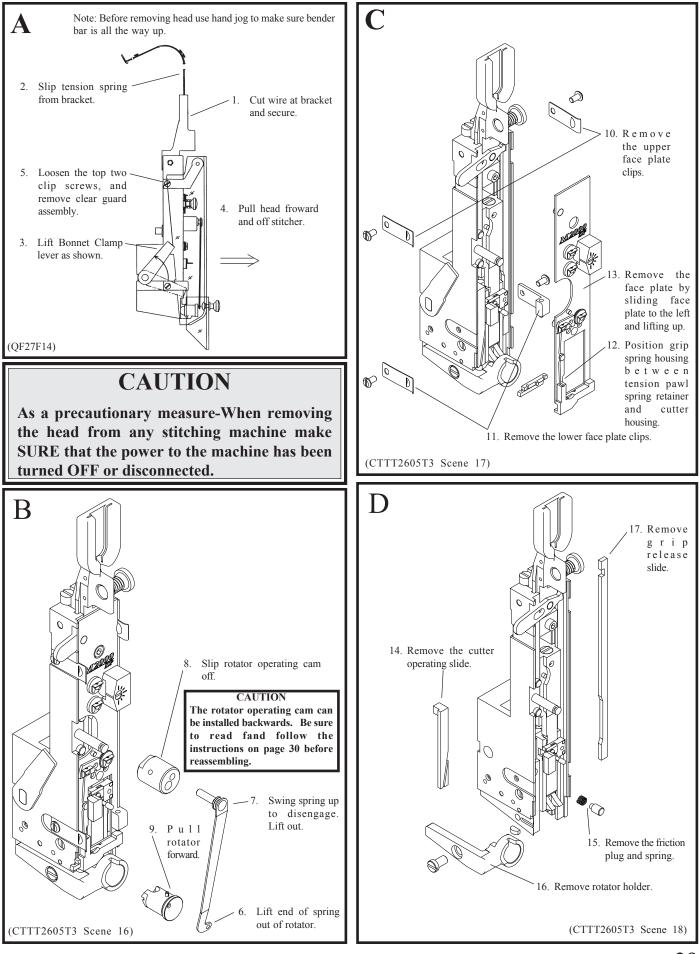
The amount of work trip lever overtravel can be slightly increased or decreased by turning the overtravel adjustment screw (Index A) located at the rear of the trip lever guide.

- 1. Turn screw counterclockwise to increase trip lever overtravel.
- 2. Turn screw clockwise to decrease trip lever overtravel., NOTE: A small amount of trip lever overtravel is always required or work trip will not function properly.

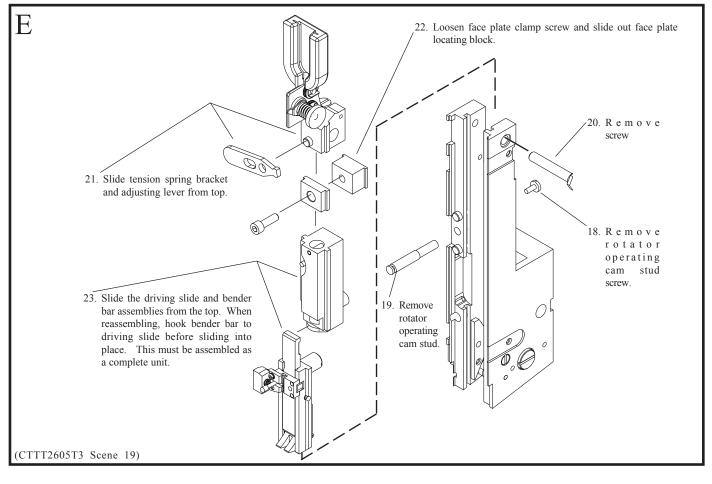
NOTE:

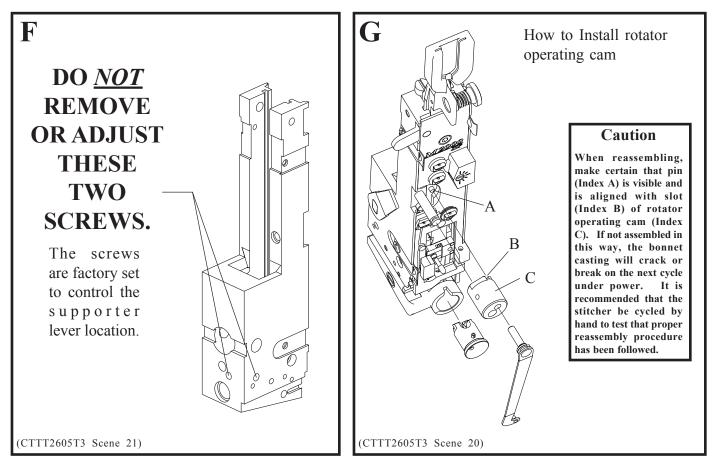
Trip lever must NOT touch the clincher assembly (Index B) when moved fully forward or the rear table when moved fully back, or unit will not work properly. If the trip lever touches clincher decrease overtravel or loosen set screw in front bumper (Index C) and reposition and secure further back. If the lever touches rear table loosen set screw in rear bumber (Index D) and reposition and secure further forward.

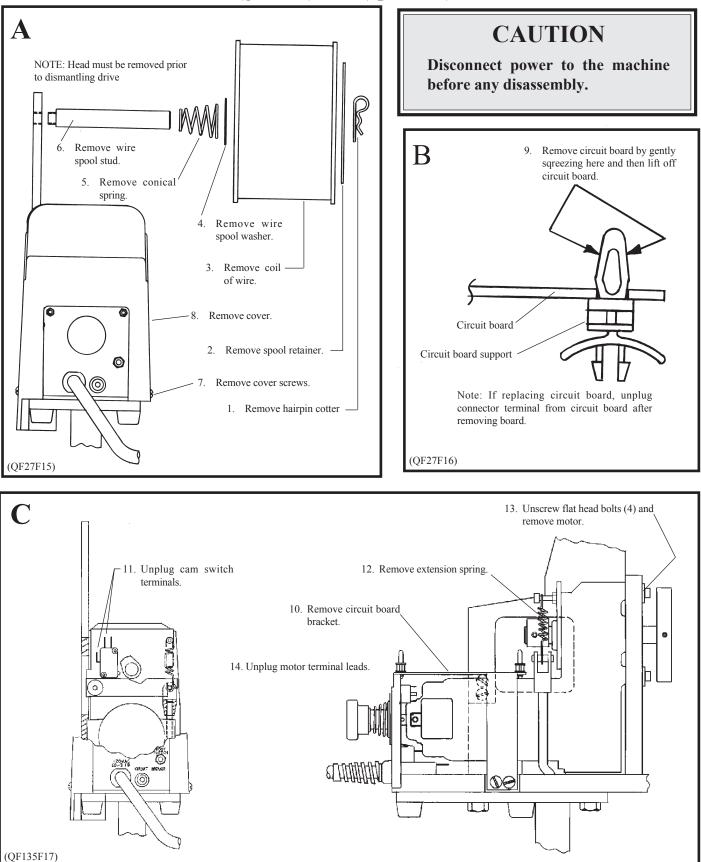
REMOVING AND DISMANTLING M2000 HEAD

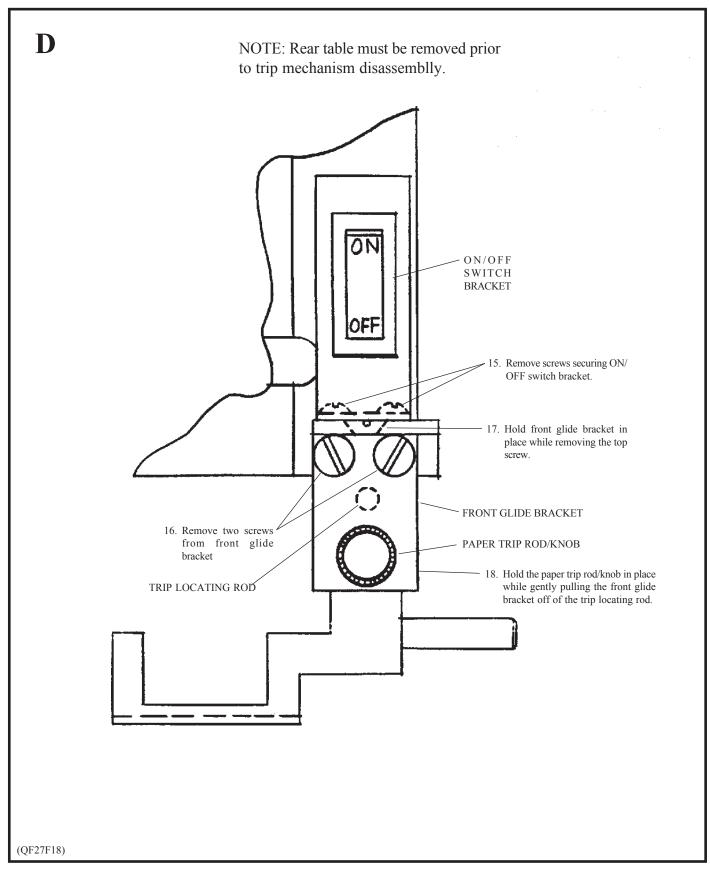


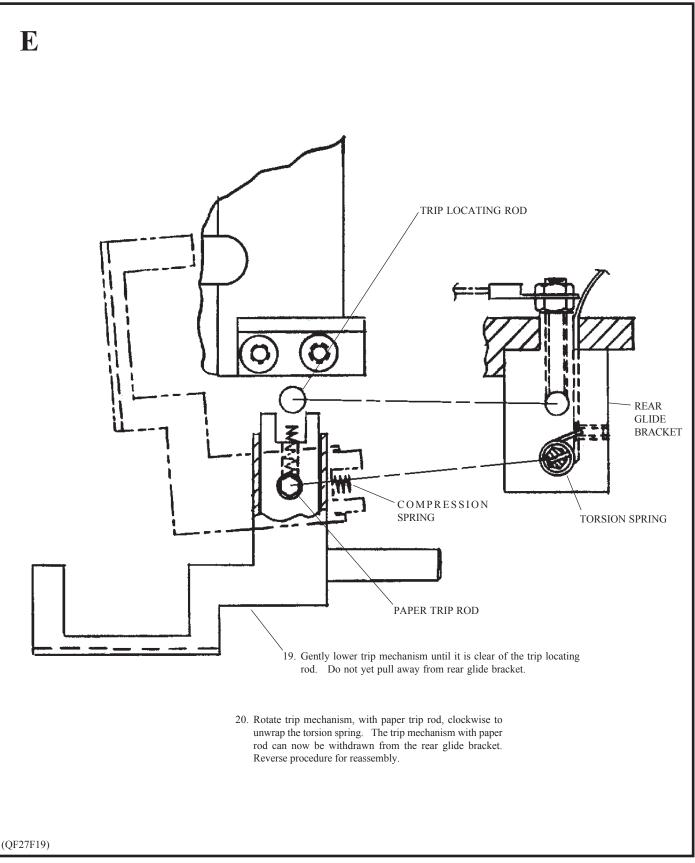
REMOVING AND DISMANTLING M2000 HEAD

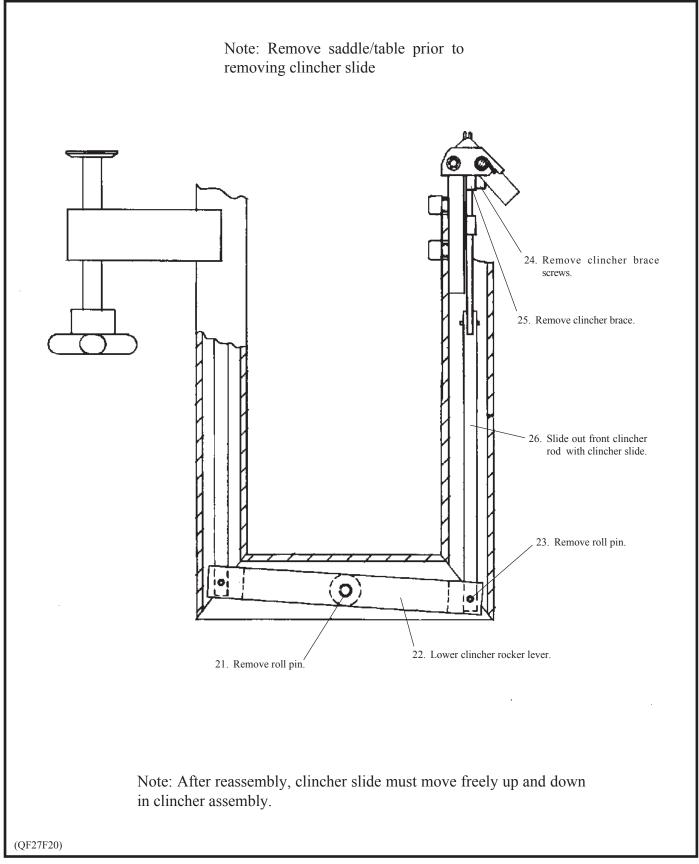


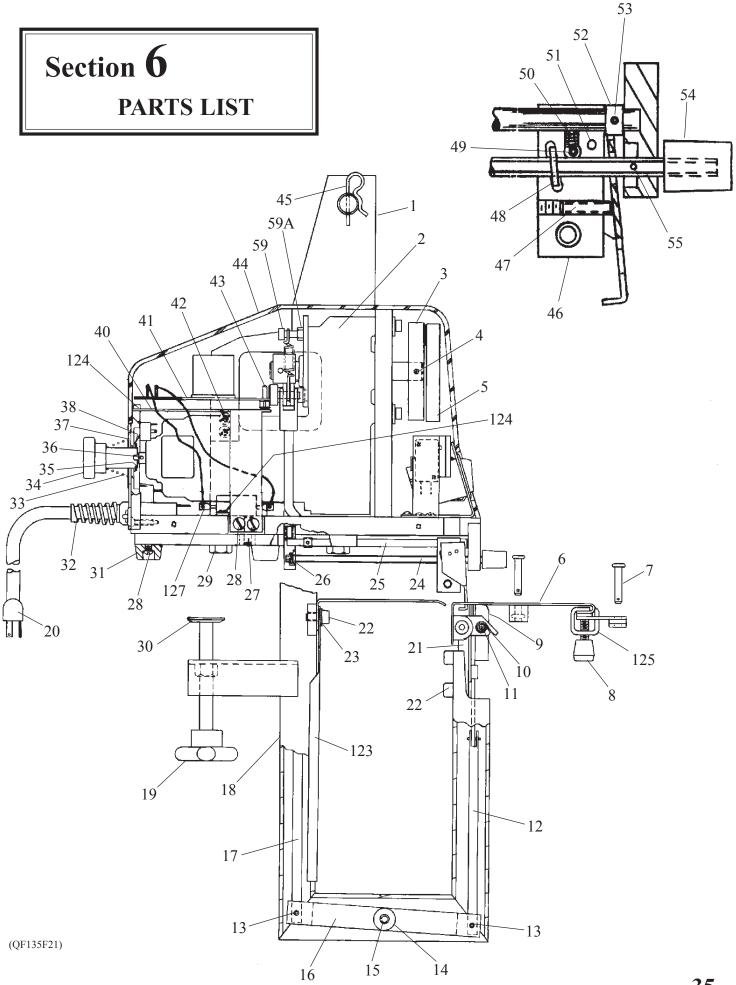


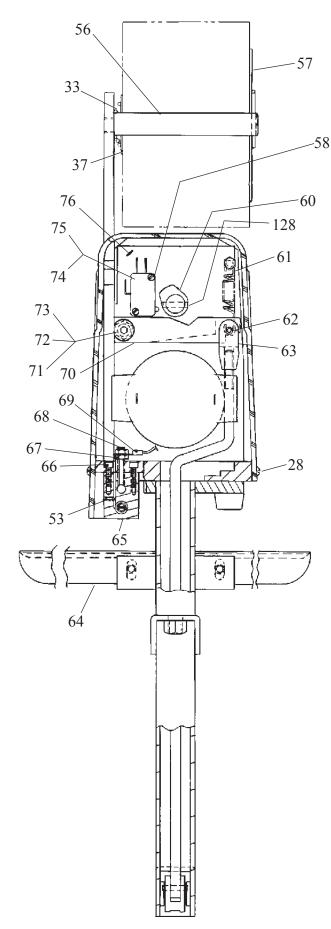


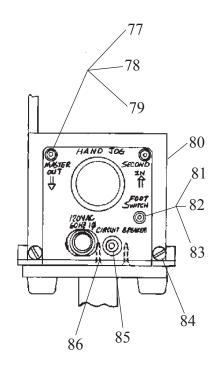




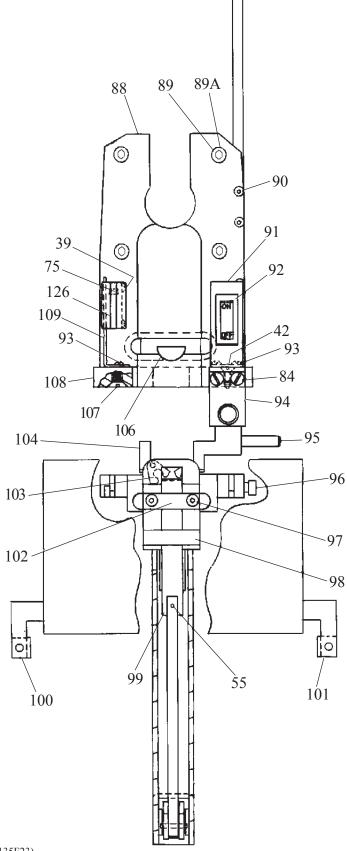


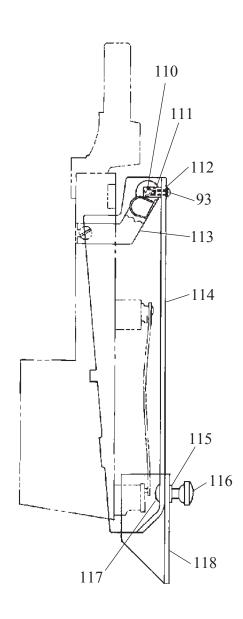


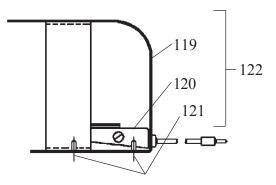












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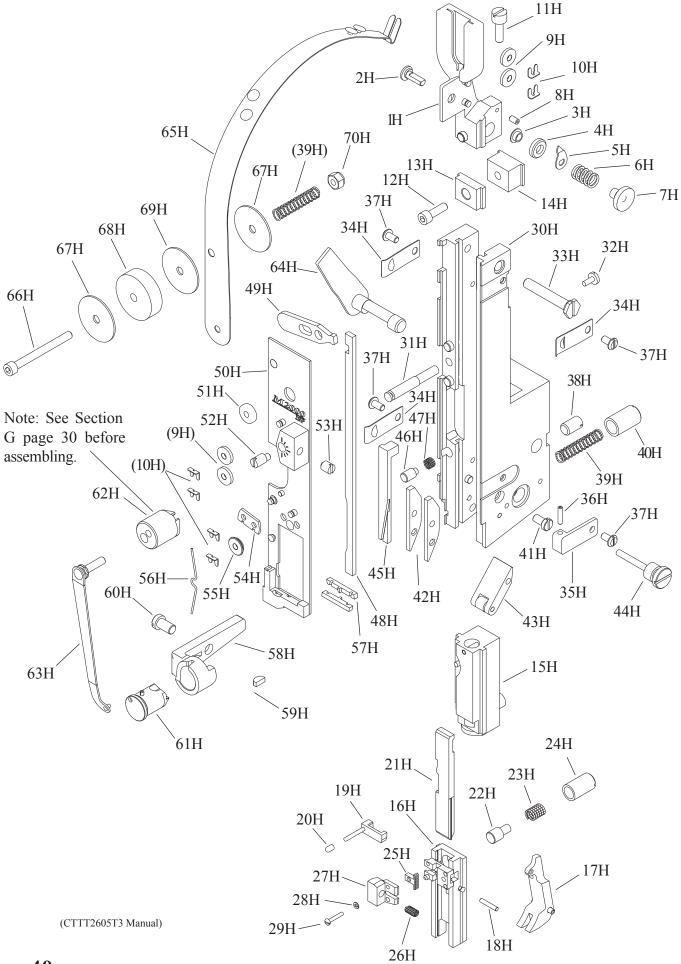
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MODEL 405

PARTS LIST

(See Pages 40 & 41 for M2000 HEAD Parts List.)

PAGE PAGE 1 CK138 SUPPORT 1 35 74 CD1421G SHOULDER SCR., 375 DIA x, 75 IG. 1 2 36 2 CCR1SC GFARMOTOR, 90 VPC (15 V A C.) 1 35 74 GC17 SPACEL, LMIT SWITCH 2 36 4 D2340F PIN, ROLL, 125 x 88 II, CRANN 1 35 76 CK143A BRACET, SWITCH, LMMT 1 36 6 CKR154 SADDE ANDTABLE ASSEMBLY, 1 35 76 CK164A WASHER, FLAT PHEAULE, (207 DIA. 2 36 7 CK150 BRACE, TABLE 1 35 38 CC164B WASHER, SLAT PHEAULE, (21 DIA. 1 36 10 CK158 BAR, PIVOT, TABLE BRACE 1 35 38 CC164B WASHER, SLAT PHENOLE, (21 DIA. 1 36 11 CK152 BAR, PIVOT, TABLE BRACE 1 35 37 Noteed 2 36 12 CK164 KOD, LLINCHER, ROOKER 1 35			es 40 & 41 for M20							
2 COTINC GLARAN ASSAULT, DRIVE (115 YA C.) 1 35 71 COLT SNACERLINNT 2 35. 4 DYSMEP FIN, ROL, 125, SS IF (CRANK) 1 35 71 COLT SNATCELLINIT 2 35. 4 DYSMEP FIN, ROL, 125, SS IF (CRANK) 1 35 71 COLTS SNATCELLINIT 1 35 6 CRK15 FIN, COLT, 125, SS IF (CRANK) 1 35 71 COLTS SNATCELLINIT 2 35 7 CK15K FIN, COLTTERLINSK 1 35 81 COLTS PARALE, CRATTERDOL, REAR (115 VAC.) 1 36 9 CCRAR BORDER, TOTS, TOTTERLINSK 1 35 81 CORTS PARALE, CRATTERDOL, REAR (115 VAC.) 1 36 10 CK14K BORDE, MOTTERLINE, ROWT 1 35 81 CORTS PARALE, MOTTERLINE, RALE, REAR 1 35 11 CK15K BORDE, AND AND 1 35 81 CORTS 24 <th>ITEM</th> <th>PART NO.</th> <th>DESCRIPTION</th> <th>QTY</th> <th></th> <th>ITEM</th> <th>PART NO.</th> <th>DESCRIPTION</th> <th>QTY</th> <th>REF. PAGE</th>	ITEM	PART NO.	DESCRIPTION	QTY		ITEM	PART NO.	DESCRIPTION	QTY	REF. PAGE
1 CKS1B CRANA ASSEMBLY, DRIVE SHAFT 1 35 75 CG15 SWITCH, LIMIT 2 36.3 3 CALAR HIDDOWRATHALLIAN 1 35 76 CG16A PHINELIANC, CREENSTELL, CALA 1 35 3 CALAR HIDDOWRATHALLIAN, HILLY 1 35 77 CG10A PHINELIACK, SETTING, CREENSTELLANT, PHENOLE, CONTROL, PLANE, USACD, L 2 36 4 CINIS NYOL, CENTRO, CALARE 1 35 78 CCROP PAREL, CONTROL, JARK, LEIDAN, L 1 36 10 CRUBS SPRACE, TABLE 1 35 88 CRUBO PAREL, CONTROL, JARK, LEIDAN, L 1 36 11 CRUSS SPRACE, TABLE 1 35 88 CRUBO PAREL, LIDIA, CALARA 1 35 12 CRUSS SPRACE, TABLE FORDA 2 35 80 CRUB PAREL, LIDIA, CALARA 1 35 13 DYAOFT PRACE, TABLE SPRANEL, TARA, SPRACE, TABLE 1		CK138	SUPPORT	1	35	73	CB1421G	SHOULDER SCR., .375 DIA. x .75 LG.	1	36
4 DESORF PNR.COL.125.8.8Lg.(CANK) 1 35 70 CULIAS BRACET, SWITCL CAM 1 36 6 CAKIA SADDITAND TARL FASTMINI Y 1 35 77 CULIAS AKK. 697 DIAL 2 36 6 CAKIA SADDITAND TARL FASTMINI Y 1 35 77 CULIAS AKK. 697 DIAL 2 36 6 CAKIA SADDITAND TARL FASTMINI Y 1 35 77 CULIAS AKK. 697 DIAL 2 36 9 CULIAS BRACET, TABLE 2 35 81 CURIAN AKK. 697 DIAL 2 36 10 CULIAS BARANTOT, TABLE RACE 1 35 82 CULIAS AKK. 697 DIAL 4 35 11 CULIAS BARANTOT, TABLE RACE 1 35 82 CULIAS 36 75 75 76 76 75 75 76 76 76 75 75 76 76 76 76 75 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>36</td>										36
5 CAHE HEAD OPERATING LINK 1 35 7 CUINA PHORE LACK, BOY DIAL 2 26 7 CUINA PHOLE LACK, BOY DIAL 2 36 7 CUINA CONTRALLASK 4 37 CUINA CONTRALLASK 2 36 9 CUINA PHOLE LAVIR, CONTRALLES 1 35 80 CUINA MARINER, SWEEDEG PHERE, 147 DIAL 1 35 10 CUINAR PHARDI, TASK 500 2 35 80 CUINAR NARINGY, TALLE HACE 1 35 81 CUINAR NARINGY, TALLE HACE 1 35 81 CUINAR NARINGY, TALLES 1 36 11 CUINAR ROD, CLINCHIR, FUNCT 1 35 81 CUINAR NARINGY, TALLES 2 36 12 CUINAR ROD, CLINCHIR, FUNCT 1 35 81 CUINAR 36 CUINAR 36 CUINAR 36 37 36 37 37 CUINAR 36 36										36,37
6 CKUSH SADDLE AND TABLE ASSEMBLY 1 35 78 CKIAC WASHER, SWIELDOY IDLE, DY DAL 2 36 8 CRUSH RNG, EPVS, CONTRELES 4 35 80 CRUCT PAREL CONTROL FAREL ALLISVAC) 1 36 9 CRUSH RANGE, TORIST 1 35 81 CRUSH PAREL CONTROL FAREL ALLISVAC) 1 36 11 CKISE INAR PROFIL 1 35 81 CRUSH PAREL CONTROL FAREL ALLISVAC) 1 35 12 CKIAE INAR PROFIL 1 35 81 CRUSH PAREL CONTROL FARE ALLISVAC) 1 35 13 DYTOPP PRN, LEVIS, CAURA ALLISVAC 1 35 80 CRUSH PAREL CONTROL FARE ALLISVAC 1 35 14 CTUP PRN, LEVIS, CAURA ASSEMBLY 1 35 80 CR31 FART, MUTTOR MITG 1 37 15 CAURA ASSEMBLY 1 35 90 CRUSP SCRUSH, SAURA ALLISVAC										
2 CK183 PIN_CLEVIS_COTTERLES 4 35 90 CK160 WASHER, FLATPHOLIC, 907 DIA. 2 26 9 CK133 BRALT_TABLE 2 35 80 CK160 PARLE_CONTROL, REAR, 115 AAC. 1 35 10 CK133 BRACT_TABLE 2 35 80 CK160 PMENER_LATPHOTOR 1 35 12 CK183 ROD_CLINCITER_FRONT 1 35 81 CK160 PMENER_LATPHOTOR 1 35 13 B3760F 1 35 86 CK163 CRUTW, 823. 6371. LD 4 35. 14 CT199 WASHER_23D X.63 CO X.05 OF 2 35 86 CK153 CRUTW, 823. 6371. LD 4 35 16 CK197 ROD_CLINCIER_REAR 1 35 89 CK271 SCK197 SCK197 SCK197 1 37 17 KK197 CLMPARE_25D X.05 OF 1 35 89 CK271 SCK197 SOK197 K				-				·		
8 CR1253 KNOB 1 35 90 CK1670 PANEL_CONTROL_RARC_114 DAA 1 35 0 CK100 SPRIAK_TABLE 1 35 80 CK1070 PANEL_CONTROL_RARC_114 DAA 1 35 10 CK100 SPRIAK_TORSING, TABLE 1 35 80 CK1070 PANEL_CONTROL_RARC_115 VAC) 1 35 13 D377097 PN. ROLL_L355, 500 2 35 86 CK168 CRCUTT BRKA ASARM (115 VAC) 1 35 14 CT199 WASHER_2510 X52 OD 1, 005 ST1 1 35 86 CK163 CRCUTT BRKA ASARM (115 VAC) 1 35 15 CBBSZ PNR ADL_230 X100 SST1 1 35 90 CK137 FATE_MOTOR_MTG 1 37 16 CKK137 STAND WATE 1 35 90 CK172 BRACET_SWELL MON F 1 37 10 CKK137 STAND WATE 1 35 90 CK172 BRACET_SWELL MON F 80				-						
10 CK1800 SPRING, TORSION, TABLE 1 35 32 CK164 WASHEE, FLAT PHENOLICE JI TURK, 14 DA. 1 35 12 CK148 ROD, CLINCHER, FRONT 1 35 84 CU2060 SCRIW, 53 X, 255, 11D. 4 363 12 CK148 ROD, CLINCHER, FRONT 1 35 86 CR357 SCREW, 440, 257, 11D. 4 363 14 CR372 WINBUL, 21D X ADD YON 2 35 86 CR357 SCREW, 440, 22, 25 SOC, HD, CAP 4 37 15 CKK137 CRAP, 440, 23, 25 SOC, HD, CAP 4 35 90 CB371 LOCKWASHEE, 410, 00-64 4 37 16 CKK137 CRAP, 478, 37, 350, CHD, CAP 4 35 90 CB371 LOCKWASHEE, 410, 00-64 1 37 17 CKK193 CLAP, ASSNABLY 1 35 90 CB371 LOCKWASHEE, 410, 00-64 1 37 13 CGR11 BR AD, TUS, 15, 75, 75 1 35 90 CB387 <td></td> <td></td> <td></td> <td>1</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>36</td>				1						36
11 CK182 BAR, PIVOT, TABLE, BRACU: 1 35 13 D37769F PIN, ROLL, 125 x, 500 2 35 15 D37769F PIN, ROLL, 125 x, 500 2 35 B5 CK1649 WASHER, 25 X, 425 FL, 1D.0 4 36.2 16 CH397 PIN, ROLL, 125 x, 500 2 35 B6 CK1647 CK1471 BKRW, 443 x 375 FL, 1D.0 4 36.2 17 CK1470 PIN, ROLL, 125 x, 500 2 35 B6 CK1567 CK1470 TM 4 36.2 16 CB357 SCREW, 440 x, 375 FL, 1D.0 4 37.7 FL TM 4 37.7 17 CKK177 STAD WART 1 35 B9 CK171 SCREW, 40 x, 37.50 CHD 4 37.7 18 CKK197 SCREW, 40 x, 31.75 NOL HD 1 35 91 CK127 SCREW, 40 x, 31.75 NOL HD 4 37.7 21 CK148 D10 35.5 91 CK127 SCREW, 40 x, 31.75 NOL HD <td< td=""><td></td><td></td><td>BRACE, TABLE</td><td>2</td><td></td><td>81</td><td>CG190B</td><td>PHONE JACK, .141 DIA.</td><td>1</td><td>36</td></td<>			BRACE, TABLE	2		81	CG190B	PHONE JACK, .141 DIA.	1	36
12 CK148 ROD, CLINCHER, FRONT 1 35 34 CEREW, 523, 235 PL, 10. 4 36.3 14 CT199 WASHER, 25 Dx, 425 OX, 403 2 35 86 CRST SCRUT, 440, 375 PL, 110. 2 36 15 CRST, 19N, ROLL, 23N, 100 RST 1 35 86 CRST SCRUT, 440, 375 PL, 110. 2 36 16 CRST, 19N, ROLL, 23N, 100 RST 1 35 890 CRST, 110. 1 37 17 CKK163 CLINCHTR, REAK 1 35 90 CBST LOCKWASHER, 410.00 PF 1 37 18 CKK163 CARLAR, 53X, 315 30C. 110.00 P 1 35 90 CBST LOCKWASHER, 410.00 PF 1 37 20 CKK163 CRAD, CARGE TABLE AND CLINCHER 1 35 90 CBST SCREW, 150 X, 25 SOC. 110.00 P 1 37 21 CKK163 CRAD, CARGE TABLE AND CLINCHER 1 35 90 CBST SCREW, 150 X, 25 SOC. 110.00 P 1 37				•						36
13 D37700F PIN, ROLL, 125 x 500 2 35 85 CK167 CRCUTT BRKARSPM, 418 V AC, D 1 35 15 CR8572 PIN, ROLL, 200 X 100 SST 1 35 86 CK15A PLATE, MOTOR, MTC, D 1 37 16 CK154 PIN, ROLL, 200 X 100 SST 1 35 86 CK15A PLATE, MOTOR, MTC, D 1 37 16 CK147 ROD, CHWTH, REAR 1 35 90 CK157 SCREW, 1-59, 37, 55 CL D 8 97 19 CKK17 ROD, FOWER (115 VA.C.) 1 35 90 CK157 SCREW, 5-39, 75 SCL D 8 97 20 CB2351 CORD, FOWER (115 VA.C.) 1 35 90 CK157 SCREW, 1-59, 37 SOL D 8 91 CK165 SCREW, 1-59, 37 SOL D 1 37 21 CK167				-						
14 CT199 WASHER, 25 Dx & 25 Dx & 39 2 35 66 CDSP SCREW, 440, 375 FL, HD. 2 57 16 CK145 LEVER, CLINCHER, ROCKER 1 35 88 CK135A PLATE, MORD, MIG, MIG, MIG, MIG, MIG, MIG, MIG, MIG				-						
15 CB835Z PIN, ROLL, 230, X1,00 SST 1 35 PX Notuced										
16 CK145 LEVER, CLINCHER, ROCKER 1 35 88 CK135A PLATE, MODR, MIG. 1 4 37 18 CKR137 STAND WMT. 1 35 88 CR371 SCREW, 10-33 & 22 SOC. ID CQ M 4 37 19 CKR137 STAND WMT. 1 35 99 CK172 BRACKET, TANE AND CLINCHER 1 37 20 CB2833 CCAD, POWER, UI S VAC, D 1 35 91 CK172 BRACKET, TANE AND CLINCHER 1 35 91 CK172 BRACKET, TANE AND CLINCHER 1 35 92 CB3578 SCREW, 6-30 SOC. HD CAP 4 35 21 CK168 ROD, TRUP PAPEB 1 35 96 CR121F SCREW, 6-30 SOC. HD CAP 2 37 22 CK168 ROD, TRUP PAPEB 1 35 96 CR121F SCREW, 10-30 SOC. HD CAP 2 37 23 CB34A PIN, DOWEL, 1875 X, 75 1 35 96 CH321F SCREW, 10-30 SOC. HD CAP<				1					2	50
18 CKRU73 STAND WAT. 1 35 89A. CE371. LOCKMASHEE, #10 4 37 20 CBB233 COMP, POWER (15 YA.C.) 1 35 91 CK172. BRACKET, SWITCH, ON-OFF 1 37 21 CK151 BRACKET, TAULE AND CLINCITER 1 35 91 CK172 BRACKET, SWITCH, ON-OFF 1 37 22 DiH440F SCREW, 25-28, 375 SOC. IID. CAP 4 35 91 CK172 BRACKET, GUIDE, FRONT 1 37 23 CK157 ROD, IRP, PAPER 1 35 91 CK172 BRACKET, GUIDE, FRONT 1 37 24 CK157 ROD, IRP, PAPER 1 35 91 CK167 SSCREW, 163.3, SSOC IID. CAP 2 1 37 25 CCR30R SSKREW, 375.16, X.75 IRX NR 1 35 90 CCR60G GUIDE, PAPER R.11 1 37 25 CGR30R PINS, CLAMP 1 35 100 CK160 GUIDE, PAPER R.11	16			1	35			PLATE, MOTOR, MTG.	1	37
19 CKK193 CLAMP, ASSEMBLY 1 35 90 CESAP SCEEV. 50 75 80 75 80 75 80 75 80 75 80 75 80 75 80 75 76 <th7< td=""><td></td><td></td><td>ROD, CLINCHER, REAR</td><td>1</td><td></td><td>89</td><td>CK271</td><td>SCREW, 10-32 x 2.25 SOC. HD. CAP</td><td>4</td><td>37</td></th7<>			ROD, CLINCHER, REAR	1		89	CK271	SCREW, 10-32 x 2.25 SOC. HD. CAP	4	37
20 CERD33 CORD, POWER (115 VA.C.) 1 35 91 CK172 PB RACKET, RUNCH, ON-OFF 1 37 21 CHL16 BRACKET, RALE AND CLINCHER 1 35 92 CEB27B SCRUEL, SWITCH, ON-OFF 1 37 22 CHL40F SCRUE, SST STAT, ALL, AND CLINCHER 1 35 93 CEB27B SCRUE, SWITCH, ON-OFF 1 37 23 CKB6 ROD, ICO, TING TRIP 1 35 93 CEB37B SCRUE, SST 1 37 26 CK180C SPRING, TORSION 1 35 97 CEB541 SCRUE, SST, SST 1 37 27 CB24A PN.D.OWEL, RAY X75 1 35 96 CT104G GUIDE, PAPER LL 1 37 30 CK180 SCRUE, SST, SAT, SM TRUE 4 35 100 CK161 GUIDE, PAPER LL 1 37 31 CK180 SPENG, COMP, CONCAL 2 35,3 100 CK161 GUIDE, PAPER LL <td></td> <td></td> <td></td> <td>1</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>37</td>				1						37
12 CKISI BRACKET, TABLE AND CLINCHER 1 35 92 CEBSPS SWITCH (D.NOOFF ILLUM, (IS V.A.C.) 1 37 23 CBM66 WASHER, FLAT, ZO 2 35 94 CK165 BRACKET, GLIDE, FRONT 1 37 24 CK176 ROD, TRP, PAPER 1 35 94 CK165 BRACKET, GLIDE, FRONT 1 37 25 CK186 ROD, LOCATING TRP 1 35 96 CB1821E SCHEW, 532 SO CLID, CAP 2 37 27 CD34A PIN, DOWEL, 1873 X, 75 1 35 96 CC13268 CLINCHER PLATA ESSEMBLY 1 37 30 CCK66 BUMER, POTAL ASTOMER 4 35 100 CC464 GUIDERPOINTS 2 37 31 CP3A BUMER, POTAL ASTOMER 1 35 100 CC464 GUIDERPOINTS 2 37 32 CG162B BURING, GYALANATOMER 1 35 100 CC464 GUIDERPOINTS 2				1						
12 D14400 ⁶ SCREW, 5:2-3x.37 SOC. HD. CAP 4 35 23 CR80 ⁶ WASHER, LAT, 2:50 1 37 24 CK157 ROD, TRP, PAPER 1 35 99 CK168 BRACKET, GLIDE, FRONT 1 37 25 CK136 ROD, LOCATING TRIP 1 35 99 CR1241 SCREW, SJOULDER 2 37 26 CK180C SPRING, TORSION 1 35 99 CTB096 CLINCHER PLATE ASSEMBLY 1 37 27 CD284A PIN, DOWEL, 1875 X.75 1 35 99 CTB096 CLINCHER PLATE ASSEMBLY 1 37 30 CCK180 DISC, CLAMP 1 35 100 CK160 GUIDE, PAPER LI. 1 37 31 CPAA BIMPER, NOL TLASTOMER 4 35 100 CK160 GUIDE, PAPER LI. 1 37 32 CR10 BIMPER, NOL TLASTOMER 1 35 100 CK160 GUIDE, PAPER LI. <td< td=""><td></td><td></td><td></td><td>1</td><td></td><td></td><td></td><td></td><td></td><td></td></td<>				1						
23 CR0506 WASHER, FLAT, 250 2 35 94 CK165 BRACKET, GLDE, FRONT 1 37 25 CK136 ROD, LOCATING TRIP 1 35 96 CB3537 PIN, 250x, 150 SST 1 37 26 CK1300 SPRING, TORSION 1 35 96 CB3537 PIN, 250x, 150 SST 1 37 27 CREBMA PIN, DOWEL, 1875 X, 75 1 35 98 CTT9086 CLINCHER PLATE, ASSIMILY 1 37 29 D254947 SCREW, 337516 X, 75 HEX, HD 4 35 100 CK160 GLIDE, PAPER L.H. 1 37 31 CFA BUSITING, STRAIN RELIFE 1 35 100 CK100 SCREW, 332-00 III L. 1 37 32 CGIAGE SREBMELY 1 35 106 CANOBAS CLINCHER POINTS 2 37 33 CKABA SRESMELY 1 35 100 CKABA SRESMELY 1 37										
24 CK157 ROD, TRIP, PAPER 1 35 95 CB35Y PIN, 220 x 150 SST 1 23 25 CK160C SPRING, TORSION 1 35 97 CB264A PIN, DOWLDER 2 37 26 CK160C SPRING, TORSION 1 35 97 CB264A PIN, DOWLDER 2 37 28 CTH01 SCREW, 375.16 X.75 HEX HD 4 35 100 CK160 GUIDE, PAPER LI. 1 37 30 CK168 DISURING, STRAIN RELIFF 1 35 100 CK160 GUIDE, PAPER R.H. 1 37 31 CYAB SPRING, COMP, CONICA. 2 35.36 100 CK100 GNOBS H BRACE, SLIDE, CLINCHER 1 37 32 CG162B BUSING, STRAIN RELIFF 1 35 100 CK10702 BONNET CLAMP ASSEMBLY 1 37 34 CK107 RNO, RETARIANSG 1 35 100 CCH200 BRACE, SLIDE, PAPER R.H.										37
26 CKIBC SPRING, TORSION 1 35 97 CB341 CB24A PNL, DOWEL, JR7S, X75 1 35 98 CTO966 CLINCHER PLATE ASSEMBLY 1 37 28 CE401 SCREW, 8-32, X37 StD. HD. 10 353.6 99 CA20951 CLINCHER FLATE 1 37 30 CKI66 BUSC, CLAMP 1 35 100 CK160 GUDE, PAFER LH. 1 37 31 CF3A BUMPER, POLYLASTOMER 1 35 100 CK161 GUDE, PAFER LH. 1 37 32 CG162B BUSHING, STRAIN RELIEF 1 35 100 CK161 TRIP, LEVER, PAPER 1 37 34 CKK193C KN0B ASSIMBLY 1 35 106 CT09002 BONNET CLAMP ASSIMBLY 1 37 35 CR337 RNG, RE, VA 50, SD N, DO LA 2 35, 107 100 CK190 BACKET, SW, SAFETY 1 37 36 CR335 SUPPORT, CR140, A0 S, 50				1						37
12 C1224A PIN.DOWEL_187S X.75 1 55 28 CHA01 SCREW, 32X 375 RD HDD. 10 53.6 12 D25947F SCREW, 32X 375 RD HDD. 10 53.6 13 CP3A BULKPER, POLYLASTOMER 4 55 13 CCP3A BULMPER, POLYLASTOMER 4 55 13 CCREW, 375-16X, 75 HEX HD. 1 35 14 CK161 GUDE, PAPER R.H. 1 37 15 CREMONS, STRAIN RELEF 1 35 103 CLNCHER POINTS 2 37 15 CR837L RING, RETAINING 1 35 106 CTT9002 BONNET CLAMP ASSEMBLY 1 37 16 CANSIA WASHER, FLAT, G2D D, 75 OD x,04 2 33.6 107 C649 SCREW, 440x 50 RD, HD. 2 37 19 CCIA BRACKET, ICRCUT BOARD 1 35 110 CK192 BONNET CLAMP ASSEMBLY 1 37 14 CK182 BRACKET, ICRCUT BOARD 1 35 110 CK190 BRACKET, SUPONT, RUANDA	25	CK136	ROD, LOCATING TRIP	1	35	96			2	37
28 CE4001 SCREW 8-32 X 37 RD. HD. 10 53.66 75 1 1 1 37 29 DE5947F SCREW 7.57.16X 7.51 HEX. HD. 4 35 100 CK160 GUDE, PAPER L.H. 1 37 30 CK168 DISC, CLAMP 1 35 100 CK161 GUDE, PAPER L.H. 1 37 31 CT3A BUMPER, POLYLASTOMER 1 35 102 CA9083 RUC, CHAPER N.H. 1 37 32 CG162B SPRING, COMP, CONKCLA 2 35.36 104 CK15 TRIP, LEVER, PAPER 1 37 34 CKK197C KNOB ASSEMBLY 1 35 106 CHNOB DOINTS 2 37 35 CB835K2 PIN, ROLL, 093 x 437 LG, 1 1 37 106 CK155 TRIP, LEVER, PAPER 1 37 36 CB835K2 PIN, ROLL, 093 x 437 LG, 1 1 37 106 CK155 TRIP, LEVER, PAPER L.H. 1 37 37 CA14A WASHER, 562 D.7, 50 D.0, 030 FLAT 1 37 <td< td=""><td></td><td></td><td></td><td>1</td><td></td><td>97</td><td>CB561</td><td>SCREW, 10-32 x .50 SOC. HD. CAP</td><td>2</td><td>37</td></td<>				1		97	CB561	SCREW, 10-32 x .50 SOC. HD. CAP	2	37
29 D25947F SCREW, 375.16 X, 75 HEX HD. 4 35 100 CK160 CUIDE, PAPER L.H. 1 37 31 CP3A BUMPER, POLYLASTOMER 4 35 100 CK161 GUIDE, PAPER L.H. 1 37 32 CGISBB BUSHING, STRAIN RILLEF 1 35 102 CA98983 CLINCHER POINTS 2 37 34 CKK193C ENDIA SSEMBLY 1 35 106 CAN983 CLINCHER POINTS 2 37 35 CB835K2 PIN, ROLL, 493 x 437 LG. 1 35 106 CK134 BASE 1 37 36 CR835K2 PIN, ROLL, 493 x 437 LG. 1 35 107 C6143 BASE 1 37 37 CA14A VASIBER, 402, 50 RD, 10 PO 1 2 37 110 CK190 BRACKET, SW, SAFETY 1 37 37 CA163 SACKEV, 404 x 50 RD, 10 PO 2 37 110 CK190 BRACKET, CHCUTH BOARD 1 35										37
30 CKI08 DISC, CLAMP 1 35 101 CKI05 GUDE, PAPER R.H 1 37 31 CP3A BUMBER, POLYLASTOMER 4 35 103 CA9085H BRACK, SLIDE, CLINCHER 1 37 32 CGR02B BUSHING, STRAIN RELIFF 1 35 103 CA9085H BRACK, SLIDE, CLINCHER 1 37 34 CKR193C CNOB ASSEMBLY 1 35 106 Not used										
13 CP3A BUMPER, POLYLASTOMER 4 35 23 CGE2B BUSINER, STRAIN RELIEF 1 35 33 CK180 SPRING, COMP, CONICAL 2 35.36 34 CKK193C KNOR, BEEMBLY 1 35 35 CB837L RING, RETAINING 1 35 36 CR8352 PIN, ROLL, 093 x 477 LG, 1 35 37 CA114A WASHER, FLAT, 625 ID x 15 OD x.04 2 35.36 37 CA14A WASHER, FLAT, 625 ID x 15 OD x.04 2 35.36 38 CK230 WASHER, FLAT, 627 ID x.04 D x.04 2 35.36 37 CA14A WASHER, FLAT, 627 ID x.04 D x.030 FLAT 1 37 39 CGLAA SCREW, 440 x.50 RD, 1D 2 37 40 CK182 BRACKET, CIRCUTT BOARD 1 35 41 CK176 COUTER, HARPIN 1 35 42 CK28 SURPORT, PC BOARD 4 35 43			· · · · · · · · · · · · · · · · · · ·							
12 CGI62B BUSHING, STRAIN RELIEF 1 35 31 CKI03 SPRING, COMP. CONNICAL 2 55.36 32 CKI93C KNOB ASSEMBLY 1 35 33 CKI93C KNOB ASSEMBLY 1 35 34 CKI93C KNOB ASSEMBLY 1 35 35 CB835K2 PIN, ROLL, 093 x 437 LG. 1 35 106 CT19002 BONNET CLAMP ASSEMBLY 1 37 37 CA114A WASHER, FLAT, C25 ID x 15 OD x. 04 2 35.36 108 CK190 BRACKET, SK, SAFETY 1 37 39 CGI4A SCREW, 440 x 50 RD, HD 2 37 110 CK192 BRACKET, CRCUT BOARD 1 35 111 CK191 BLOCK, PIVOT, GUACK 2 37 42 CK162 BOARD, CIRCUT (115 V.A.C.) 1 35 112 CF199 WASHER, #6 FLAT 2 37 44 CK162 BOARD, CIRCUT (115 V.A.C.) 1 35 112 CK186 SPRINGSUPPORT, GUARD 1 35 42 CK174			,							
13 CK180 SPRINC, COMP, CONICAL 2 25.36 104 CK157 TRIP, LEVER, PAPER 1 37 35 CR837L RING, RETAINING 1 35 106 CR1502 BONNET CLAMP ASSEMBLY 1 37 36 CR837L RING, RETAINING 1 35 106 CT1902 BONNET CLAMP ASSEMBLY 1 37 37 CALIAA WASHER, FLAT, 625 ID X 15 OD X 04 2 35.37 109 CK190 BACKET, SW, SAFETY 1 37 39 CG14A SCREW, 440 x 50 RD, HD 2 37 110 CK192 PIN, PIVOT, BLOCK 2 37 40 CK162 BOARL, CIRCUT (115 V.A.C.) 1 35 111 CK191 BLOCK, PIVOT, GUARD 1 37 41 CK162 BOARL, CIRCUT (115 V.A.C.) 1 35 113 CK186 SPRINGKUPORT, GUARD 1 37 42 CR26 SCREW, 492 x 375 FL, HD 3 35.37 113 CK186 SPRINGKUPORT, GUARD 1 37 43 CK176 COTTER, IARPIN										
13 CKK193C KNOB ASSEMBLY 1										37
36 CB835K2 PIN, ROLL, 093 x, 437 LG, 1 1 35 37 CA114A WASHER, FLAT, CS 10 x, 15 OD x, 03 0 FLAT 1 37 37 CA114A WASHER, 562 ID, 75 OD x, 03 0 FLAT 1 37 38 CK230 WASHER, 562 ID, 75 OD x, 03 0 FLAT 1 37 39 CG14A SCREW, 4-40 x, 50 RD, HD. 2 37 41 CK162 BOARD, CIRCUTT (H5 VA.C.) 1 35 42 CB206 SCREW, 8-32 x, 375 FL HD. 3 35, 37 43 CK176 COTTER, HARPIN 1 35 44 CK176 COTTER, HARPIN 1 35 45 CK176 COTTER, HARPIN 1 35 46 CK176 COTTER, HARPIN 1 35 47 CA907 SCREW, 6-32 UX C2B x, 500 SET 1 35 49 CR18352 PIN, RONL, 093 X, 26, SST 1 35 51 CK175 PIN, TRIP LEVER 1 35 52 CK176 MASHER, FLOT, CRUCH 1 35 53 <	34	CKK193C	KNOB ASSEMBLY	1						
37 CA114A WASHER, FLAT, 625 ID x 13 OD x 04 2 35.36 108 CK134 BASE 1 37 38 CK230 WASHER, 562 ID, 75 OD x 030 FLAT 1 37 100 CK192 PIN, PIVOT, BLOCK 2 37 40 CK162 BOARD, CIRCUTT IBOARD 1 35 111 CK191 BLOCK, PIVOT, GUARD 1 37 41 CK162 BOARD, CIRCUTT IBOARD 4 35 111 CK194 BASE 2 37 42 CB206 SCREW, 8-32 x 375 FL HD, 3 35.37 113 CK186 SPRINC/SUPPORT, GUARD 1 37 43 CK176 COTTR, HARPIN 1 35 116 CA186 SPRINC/SUPPORT, GUARD 1 37 45 CK176 COTTRE, HARPIN 1 35 116 CA180 SULDING, FRONT 1 37 46 CK160 WASHER, FLAT 2 37 146 CK180 GUARD, FOOTSWITCH 1 37 47 CA9077 SCREW, 632 UNC 20 K 5:00 SET 1 35 11	35	CB837L	RING, RETAINING	1	35	106	CTT9002	BONNET CLAMP ASSEMBLY	1	37
38 CK230 WASHER, 562 ID, 75 OD x 030 FLAT 1 37 39 CG14A SCEEW, 440 x 50 RD, HD, 2 37 40 CK182 BRACKET, CIRCUIT BOARD 1 35 41 CK162 BOARD, CIRCUIT (15 V.A.C.) 1 35 42 CB206 SCREW, 8-32 x 375 R.L HD, 3 35,37 43 CK183 SUPPORT, PC BOARD 4 35 44 CK174 COVPR 1 35 45 CK176 COTTER, HARPIN 1 35 46 CK170 GLUDE, LEVER, TRIP 1 35 47 CA9077 SCREW, 6-32 UNC 2B x.500 SET 1 35 48 CK156 WASHER, FM, ELEVER, TRIP 1 35 49 CB3512 PIN, ROLL, 093 X.562, SST 1 35 41 CK186 WASHER, FMOL, 093 X.562, SST 1 35 50 CA5108B SPRING, COMP, 1 35 51 CK166 MASHER, FMOLL, 093 X.562, SST 1 35 52 CB434A BUMP										37
39 GG14A SCREW, 4-40 x, 50 RD HD, 2 37 40 CK182 BRACKET, CIRCUTT BOARD 1 35 41 CK162 BOARD, CIRCUTT (115 V.A.C.) 1 35 42 CB206 SCREW, 8-32 x, 375 FL. HD. 3 35,37 43 CK183 SUPPORT, PC BOARD 4 35 44 CK174 COVER 1 35 45 CK176 COTTRE, HAIRPIN 1 35 46 CK170 GLIDE, LEVER, TRIP 1 35 116 CA0607B NUT, ECCENTRIC, WIRE STR. 2 37 47 CA0907 SCREW, 6-32 UNC 2B x. 500 SET 1 35 116 CA0607B NUT, ECCENTRIC, WIRE STR. 2 37 40 CK175 PIN, NOL, 003 X. 562, SST 1 35 110 CK186 GUAD, FOOTSWITCH 1 37 41 CA050B SPRING, COMP. 1 35 120 CK175 PIN, NOL, 002 X. 312 2 35,37 52 CB434B BUMPER, TRIP 2 35 122 CB502M										
40 CK182 BRACKET, CIRCUT BOARD 1 35 41 CK162 BOARD, CIRCUTT (115 V.A.C.) 1 35 42 CB206 SCREW, 832x 375 FL.HD. 3 35,37 43 CK183 SUPPORT, PC BOARD 4 35 44 CK174 COVER 1 35 45 CK174 COVER 1 35 46 CK176 COTTER, HAIRPIN 1 35 47 CA9077 SCREW, 6-32 UNC 2B x.500 SET 1 35 47 CA9077 SCREW, 6-32 UNC 2B x.500 SET 1 35 47 CA9077 SCREW, 6-32 UNC 2B x.500 SET 1 35 48 CK156 WASHER, ECCENTRIC 1 35 49 CB3522 PIN, ROLL, 093 X.52, SST 1 35 50 CA5108B SPRING, COMP. 1 35 51 CK175 PIN, TRIP LEVER 1 35 52 CB43A4 BUMPER, TRIP 2 35 53 D31028F SCREW, 6-32 X.25 SET 3 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>										
41 CK162 BOARD, CIRCUIT (115 V.A.C.) 1 35 112 CF1989 WASHER, #GTLAT 2 57 42 CB206 SCREW, 8-32 x.375 FL.HD. 3 35,37 113 CK186 SPRINGSUPPORT, GUARD 1 37 43 CK174 COVER 1 35 113 CK187 GUARD, FRONT 1 37 44 CK174 COVER 1 35 116 CA9067B NUT, ECCENTRIC, WIRE TR.P 2 37 45 CK170 GLIDE, LEVER, TRIP 1 35 118 CK188 GUARD, FRONT 1 37 46 CK156 WASHER, ECCENTRIC 1 35 118 CK188 GUARD, FRONT 1 37 47 CA9067B NUT, ECCENTRIC 1 35 119 GE2095D GUARD, FRONT 1 37 48 CK156 WASHER, ECCENTRIC 1 35 120 CB302M FOOTSWITCH 1 37 50 CK175 PIN, ROL, 03 X.502, SST 1 35 121 CK17 SCREW, N										
42 CB206 SCREW, 8-32 x, 375 FL. HD. 3 35,37 43 CK183 SUPPORT, PC BOARD 4 35 44 CK174 COVER 1 35 45 CK174 COVER 1 35 46 CK176 COTTER, HAIRPIN 1 35 47 CK176 COTTER, HAIRPIN 1 35 47 CA9077 SCREW, 6-32 UNC 2B x, 500 SET 1 35 47 CA9077 SCREW, 6-32 UNC 2B x, 500 SET 1 35 48 CK156 WASHER, ECCENTRIC 1 35 49 CR83512 PIN, ROLL, 035 X, 562, SST 1 35 50 CA5108B SPRING, COMP. 1 35 51 CK176 PIN, RIP LEVER 1 35 52 CB434A BUMPER, TRIP 2 35 120 CB920M FOOTSWITCH 1 37 52 CB434A BUMPER, TRIP 2 35 123 CK196 GUIDE, PAPER, GUIDE 1 35 55 CR835T										37
44 CK174 COVER 1 35 45 CK176 COTTER, HAIRPIN 1 35 45 CK170 GLIDE, LEVER, TRIP 1 35 47 CA9077 SCREW, 6-32 UNC 2B x, 500 SET 1 35 47 CA9077 SCREW, 6-32 UNC 2B x, 500 SET 1 35 48 CK176 GULDE, LEVER, TRIP 1 35 49 CB83512 PIN, ROLL, 093 X, 562, SST 1 35 50 CA5108B SPRING, COMP. 1 35 51 CCK175 PIN, TRIP LEVER 1 35 52 CB434A BUMPER, TRIP 2 35 53 D31028F SCREW, 6-32 X, 25 SET 3 35,37 54 CK193B RNOB, TRIP LEVER 1 35 55 CB434A BUMPER, TRIP 2 35,37 56 CA45B STUD, SPOOL WIRE 1 35 57 CA139 SPOOL TO, NURE 1 36 59 CB1090 SCREW, 10-32 X 1.00 SOC, HD, CAP 2 <t< td=""><td></td><td></td><td></td><td>3</td><td></td><td></td><td></td><td></td><td></td><td>37</td></t<>				3						37
45 CK176 COTTER, HAIRPIN 1 35 46 CK170 GLIDE, LEVER, TRIP 1 35 47 CA907 SCREW, 6-32 LNC 2B x, 500 SET 1 35 48 CK156 WASHER, ECCENTRIC 1 35 49 CB3512 PIN, ROLL, 093 X, 562, SST 1 35 50 CA5108B SPRING, COMP. 1 35 51 CK175 PIN, TRIP LEVER 1 35 52 CR543A BUMPER, TRIP 2 35 53 D31028F SCREW, 6-32 X, 25 SET 3 35,37 54 CK193B KNOB, TRIP LEVER 1 35 55 CR583T PIN, RDL L, 602 x, 312 2 35,37 56 CA45B STUD, SPOOL WIRE 1 36 57 CA439 SPOOL WIRE 1 36 59 CB1090 SCREW, 440 X, 75 OC, HD, CAP 2 36 59 CB1090 SCREW, 440 X, 50 SOC, HD, CAP 1 36 61 CK149 CAM 1 36	43	CK183	SUPPORT, PC BOARD	4	35	114	CK187	GUARD, FRONT	1	37
46 CK170 GLIDE, LEVER, TRIP 1 35 17 CK170 GLIDE, LEVER, TRIP 1 35 47 CA9077 SCREW, 6-32 UNC 2B x. 500 SET 1 35 118 CK188 GUARD, SLIDING, FRONT 1 37 48 CK156 WASHER, ECCENTRIC 1 35 118 CK188 GUARD, SLIDING, FRONT 1 37 49 CB835J2 PIN, ROLL, 093 X. 562, SST 1 35 110 CK188 GUARD, FRONT 1 37 50 CA5108B SPRING, COMP. 1 35 120 CB502M FOOT SWITCH 1 37 51 CK175 PIN, RIPL EVER 1 35 122 CB502M FOOT SWITCH 438 35 53 D31028F SCREW, 6-32 X. 25 SET 3 35,37 124 CG14 SCREW, 4.04 X. 250 RD, HD. 4 35 54 CK193B KN0B, TRIP LEVER 1 36 125 CK196 GUIDE, PAPER 1 35 55 CB35T PIN, ROLL, 062 X. 312 2 35,37 12				1						37
47 CA9077 SCREW, 6-32 UNC 2B x.500 SET 1 35 48 CK156 WASHER, ECCENTRIC 1 35 49 CR83512 PIN, ROLL, 093 X.562, SST 1 35 50 CA5108B SPRING, COMP, 1 35 51 CK175 PIN, TRIP LEVER 1 35 52 CB43A BUMPER, TRIP 2 35 53 D31028F SCREW, 6-32 X.25 SET 3 35,37 54 CK193B KNDB, TRIP LEVER 1 35 55 CB33T PIN, ROLL, 062 x.312 2 35,37 56 CA45B STUD, SPOOL WIRE 1 36 57 CA139 SPOOL RETAINER 1 36 59 CB64R SCREW, 440 x.75 SOC. HD. CAP 2 36 59 CB1090 SCREW, 10-32 x 1.00 SOC. HD. CAP 2 36 59 CB1090 SCREW, 10-32 x 1.00 SOC. HD. CAP 1 36 60 CK146 CLEVIS 1 36 61 CK146 SCREW, 430 x 50 SOC. HD, CAP <td></td> <td></td> <td></td> <td>1</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>				1						
48 CK156 WASHER, ECCENTRIC 1 35 49 CB3352 PIN, ROLL, 093 X. 562, SST 1 35 50 CAS108B SPRING, COMP. 1 35 51 CK175 PIN, TRIP LEVER 1 35 52 CB434A BUMPER, TRIP 2 35 53 D31028F SCREW, 6.32 X. 25 SET 3 35.37 54 CK193B KNOB, TRIP LEVER 1 35 55 CB35T PIN, ROLL, .062 x. 312 2 35,37 56 CA45B STUD, SPOOL WIRE 1 36 57 CA139 SPOOL RETAINER 1 36 58 CB66R SCREW, 440 x. 75 SOC. HD. CAP 2 36 59 CB1090 SCREW, 440 x. 75 SOC. HD. CAP 1 36 59 CB1090 SCREW, 144 x. 75 SOC. HD. CAP 1 36 61 CK180A SPRING, CUND, SOC. HD. CAP 1 36 62 D30610F PIN, ROLL, .187 x. 625 LG. 1 36 64 CK146 CLEVIS				1						
49 CB835J2 PIN, ROLL, 093 X.562, SST 1 35 50 CA5108B SPRING, COMP. 1 35 51 CK175 PIN, TRIP LEVER 1 35 52 CB434A BUMPER, TRIP 2 35 53 D31028F SCREW, 6-32 X.25 SET 3 35,37 54 CK193B KNOB, TRIP LEVER 1 35 55 CB835T PIN, ROLL, .062 x 312 2 25,377 56 CA45B STUD, SPOOL WIRE 1 36 57 CA139 SPOOL RETAINER 1 36 58 CB56R SCREW, 440 x.75 SOC. HD CAP 2 36 59 CB1090 SCREW, 10-32 x 1.00 SOC. HD CAP 1 36 59 CB1090 SCREW, 10-32 x 1.00 SOC. HD CAP 1 36 61 CK180A SPRING, EXTENSION 1 36 62 D36010F PIN, ROLL, .187 x. 625 LG. 1 36 63 CK146 CLEVIS 1 36 64 CK173 SCREW, 4-40 x. 50 SOC. HD, CAP				1						
50 CA5108B SPRING, COMP. 1 35 51 CK175 PIN, TRIP LEVER 1 35 52 CB434A BUMPER, TRIP 2 35 53 D31028F SCREW, 6-32 X.25 SET 3 35,37 54 CK193B KNOB, TRIP LEVER 1 35 55 CB835T PIN, ROLL, 062 x.312 2 35,37 56 CA45B STUD, SPOOL WIRE 1 36 57 CA139 SPOOL RETAINER 1 36 58 CB60R SCREW, 440 x.75 SOC. HD. CAP 2 36 59 CB1090 SCREW, 440 x.75 SOC. HD. CAP 1 36 59 CB1090 SCREW, 1440 x.75 SOC. HD. CAP 1 36 61 CK180A SPRING, EXTENSION 1 36 62 D30610F PIN, ROLL, 187 x.625 LG. 1 36 63 CK146 CLEVIS 1 36 64 CK153 TABLE, AUXILLARY 1 36 65 CK166 BRACKET, GLIDE, REAR 1				1						
52 CB434A BUMPER, TRIP 2 35 53 D31028F SCREW, 6-32 X.25 SET 3 35,37 54 CK193B KNOB, TRIP LEVER 1 35 55 CB835T PIN, ROLL, .062 x.312 2 35,37 56 CA45B STUD, SPOOL WIRE 1 36 57 CA139 SPOOL RETAINER 1 36 58 CB56R SCREW, 440 x.75 SOC. HD. CAP 2 36 59 CB1090 SCREW, 10-32 x 1.00 SOC. HD. CAP 1 35 59A CB475 NUT, 10-32 HEX. 1 36 60 CK149 CAM 1 36 61 CK180A SPRING, EXTENSION 1 36 62 D30610F PIN, ROLL, .187 x. 625 LG. 1 36 63 CK146 CLEVIS 1 36 64 CK153 TABLE, AUXILLARY 1 36 65 CK166 BRACKET, GLIDE, REAR 1 36 66 CB56S SCREW, 6-32 x 1.00 SET 1 36				1						37
53 D31028F SCREW, 6-32 X. 25 SET 3 35,37 124 CG14 SCREW, 4-40 X. 250 RD. HD. 4 35 54 CK193B KNOB, TRIP LEVER 1 35 125 CK193B BRACKET, PAPER, GUIDE 1 35 55 CB835T PIN, ROLL, 062 x. 312 2 35,37 126 CK192 GUIDE, GUARD 2 37 56 CA45B STUD, SPOOL WIRE 1 36 127 CK234 RESISTOR ASSEMBLY 1 35 57 CA139 SPOOL RETAINER 1 36 128 D38063F PIN, ROLL .125 x. 625 1 35 58 CB56R SCREW, 4-40 x. 75 SOC. HD. CAP 1 36 128 D38063F PIN, ROLL .125 x. 625 1 35 59 CB1090 SCREW, 10-32 REX. 1 36 1 36 1 36 61 CK149 CAM 1 36 66 CLEVIS 1 36 66 CR56S SCREW, 5-40 x. 50 SOC. HD, CAP 2 36 66 CR56S SCREW, 5-40 x. 50 SOC. HD, CAP									-	37
54 CK193B KNOB, TRIP LEVER 1 35 55 CB83ST PIN, ROLL, 062 x. 312 2 35,37 56 CA45B STUD, SPOOL WIRE 1 36 57 CA139 SPOOL RETAINER 1 36 58 CB56R SCREW, 4-40 x. 75 SOC. HD. CAP 2 36 59 CB1090 SCREW, 10-32 x 1.00 SOC. HD. CAP 2 36 59 CB1090 SCREW, 10-32 x 1.00 SOC. HD. CAP 1 35 60 CK149 CAM 1 36 61 CK180A SPRING, EXTENSION 1 36 63 CK146 CLEVIS 1 36 64 CK153 TABLE, AUXILIARY 1 36 65 CK166 BRACKET, GLIDE, REAR 1 36 66 CB56S SCREW, 5-40 x. 50 SOC. HD, CAP 2 36 67 CB720 NUT, 6-32 HEX 2 36 68 CK178 SCREW, 6-32 x. 100 SET 1 36 69 CB283K WIRE ASSEM, TRIGGER/FT. JACK									1	35
55 CB835T PIN, ROLL, .062 x .312 2 35,37 126 CK229 GUIDE, GUARD 2 37 56 CA45B STUD, SPOOL WIRE 1 36 127 CKK234 RESISTOR ASSEMBLY 1 35 57 CA139 SPOOL RETAINER 1 36 127 CKK234 RESISTOR ASSEMBLY 1 35 58 CB56R SCREW, 4.40 x.75 SOC. HD. CAP 2 36 128 D38063F PIN, ROLL .125 x .625 1 35 59 CB1090 SCREW, 10-32 x 1.00 SOC. HD. CAP 1 35 36 61 CK180A SPRING, EXTENSION 1 36 61 CK180A SPRING, EXTENSION 1 36 36 63 CK146 CLEVIS 1 36 63 CK166 BRACKET, GLIDE, REAR 1 36 36 66 CB568 SCREW, 5-40 x .50 SOC. HD, CAP 2 36 64 CK178 SCREW, 6-32 x 1.00 SET 1 36 66 67 CB283K WIRE ASSEM, TRIGGER/FT. JACK 1 36 69 <				3						35
56 CA45B STUD, SPOOL WIRE 1 36 127 CK234 RESISTOR ASSEMBLY 1 35 57 CA139 SPOOL RETAINER 1 36 128 D38063F PIN, ROLL .125 x .625 1 35 58 CB56R SCREW, 440 x .75 SOC. HD. CAP 2 36 1 35 59 CB475 NUT, 10-32 HEX. 1 35 35 60 CK149 CAM 1 36 66 2 D30610F PIN, ROLL, .187 x .625 LG. 1 36 61 CK140 CLEVIS 1 36 63 CK146 CLEVIS 1 36 63 CK166 BRACKET, GLIDE, REAR 1 36 65 CK166 BRACKET, GLIDE, REAR 1 36 64 CK173 SCREW, 5-40 x .50 SOC. HD, CAP 2 36 36 65 CK166 BRACKET, GLIDE, REAR 1 36 36 66 CB283K WIRE ASSEM, TRIGGER/FT. JACK 1 36 67 CB283K WIRE ASSEM, TRIGGER/FT. JACK 36				1						35
57 CA139 SPOOL RETAINER 1 36 58 CB56R SCREW, 440 x.75 SOC. HD. CAP 2 36 59 CB1090 SCREW, 10-32 x 1.00 SOC. HD. CAP 1 35 59A CB475 NUT, 10-32 HEX. 1 35 60 CK149 CAM 1 36 61 CK180A SPRING, EXTENSION 1 36 62 D30610F PIN, ROLL, .187 x. 625 LG. 1 36 63 CK146 CLEVIS 1 36 64 CK153 TABLE, AUXILIARY 1 36 65 CK166 BRACKET, GLIDE, REAR 1 36 66 CB56S SCREW, 5-40 x. 50 SOC. HD, CAP 2 36 67 CB720 NUT, 6-32 HEX 2 36 68 CK178 SCREW, 6-32 x 1.00 SET 1 36 69 CBB283K WIRE ASSEM, TRIGGER/FT. JACK 1 36 70 CK144 LEVER, CLINCHER OPERATING 1 36 71 CB102A NUT, 312-18 UNC 2B HEX										37
58 CB56R SCREW, 4-40 x .75 SOC. HD. CAP 2 36 59 CB1090 SCREW, 10-32 x 1.00 SOC. HD. CAP 1 35 59A CB475 NUT, 10-32 HEX. 1 35 60 CK149 CAM 1 36 61 CK180A SPRING, EXTENSION 1 36 62 D30610F PIN, ROLL, .187 x .625 LG. 1 36 63 CK146 CLEVIS 1 36 64 CK153 TABLE, AUXILIARY 1 36 65 CK166 BRACKET, GLIDE, REAR 1 36 66 CB568 SCREW, 5-40 x .50 SOC. HD, CAP 2 36 67 CB720 NUT, 6-32 HEX 2 36 68 CK178 SCREW, 6-32 x 1.00 SET 1 36 69 CBB283K WIRE ASSEM, TRIGGER/FT, JACK 1 36 71 CB102A NUT, .312-18 UNC 2B HEX 1 36			· · · · · · · · · · · · · · · · · · ·	1					-	
59 CB1090 SCREW, 10-32 x 1.00 SOC. HD. CAP 1 35 59A CB475 NUT, 10-32 HEX. 1 35 60 CK149 CAM 1 36 61 CK180A SPRING, EXTENSION 1 36 62 D30610F PIN, ROLL, .187 x. 625 LG. 1 36 63 CK146 CLEVIS 1 36 64 CK153 TABLE, AUXILIARY 1 36 65 CK166 BRACKET, GLIDE, REAR 1 36 66 CB568 SCREW, 5-40 x. 50 SOC. HD, CAP 2 36 67 CB720 NUT, 6-32 HEX 2 36 68 CK178 SCREW, 6-32 x 1.00 SET 1 36 69 CB283K WIRE ASSEM, TRIGGER/FT. JACK 1 36 70 CK144 LEVER, CLINCHER OPERATING 1 36 71 CB102A NUT, 312-18 UNC 2B HEX 1 36				2		128	D30003L	1 114, AOLL .123 A .023	1	55
59A CB475 NUT, 10-32 HEX. 1 35 60 CK149 CAM 1 36 61 CK180A SPRING, EXTENSION 1 36 62 D30610F PIN, ROLL, 187 x. 625 LG. 1 36 63 CK146 CLEVIS 1 36 64 CK153 TABLE, AUXILIARY 1 36 65 CK166 BRACKET, GLIDE, REAR 1 36 66 CB56S SCREW, 5-40 x. 50 SOC. HD, CAP 2 36 67 CB720 NUT, 6-32 HEX 2 36 68 CK178 SCREW, 6-32 x 1.00 SET 1 36 69 CBB283K WIRE ASSEM, TRIGGER/FT. JACK 1 36 70 CK144 LEVER, CLINCHER OPERATING 1 36 71 CB102A NUT, 312-18 UNC 2B HEX 1 36				1						
61 CK180A SPRING, EXTENSION 1 36 62 D30610F PIN, ROLL, .187 x .625 LG. 1 36 63 CK146 CLEVIS 1 36 64 CK153 TABLE, AUXILARY 1 36 65 CK166 BRACKET, GLIDE, REAR 1 36 66 CB56S SCREW, 5-40 x .50 SOC. HD, CAP 2 36 67 CB720 NUT, 6-32 HEX 2 36 68 CK178 SCREW, 6-32 x 1.00 SET 1 36 69 CBB283K WIRE ASSEM, TRIGGER/FT. JACK 1 36 70 CK144 LEVER, CLINCHER OPERATING 1 36 71 CB102A NUT, 312-18 UNC 2B HEX 1 36				1						
62 D30610F PIN, ROLL, .187 x .625 LG. 1 36 63 CK146 CLEVIS 1 36 64 CK153 TABLE, AUXILIARY 1 36 65 CK166 BRACKET, GLIDE, REAR 1 36 66 CB56S SCREW, 5-40 x .50 SOC. HD, CAP 2 36 67 CB720 NUT, 6-32 HEX 2 36 68 CK178 SCREW, 6-32 x 1.00 SET 1 36 69 CBB283K WIRE ASSEM, TRIGGER/FT, JACK 1 36 70 CK144 LEVER, CLINCHER OPERATING 1 36 71 CB102A NUT, .312-18 UNC 2B HEX 1 36				1						
63 CK146 CLEVIS 1 36 64 CK153 TABLE, AUXILIARY 1 36 65 CK166 BRACKET, GLIDE, REAR 1 36 66 CB568 SCREW, 5-40 x .50 SOC. HD, CAP 2 36 67 CB720 NUT, 6-32 HEX 2 36 68 CK178 SCREW, 6-32 x 1.00 SET 1 36 69 CBB283K WIRE ASSEM, TRIGGER/FT, JACK 1 36 70 CK144 LEVER, CLINCHER OPERATING 1 36 71 CB102A NUT, 312-18 UNC 2B HEX 1 36				1						
64 CK153 TABLE, AUXILIARY 1 36 65 CK166 BRACKET, GLIDE, REAR 1 36 66 CB568 SCREW, 5-40 x. 50 SOC. HD, CAP 2 36 67 CB720 NUT, 6-32 HEX 2 36 68 CK178 SCREW, 6-32 x 1.00 SET 1 36 69 CBB283K WIRE ASSEM, TRIGGER/FT, JACK 1 36 70 CK144 LEVER, CLINCHER OPERATING 1 36 71 CB102A NUT, 312-18 UNC 2B HEX 1 36				1						
65 CK166 BRACKET, GLIDE, REAR 1 36 66 CB56S SCREW, 5-40 x. 50 SOC. HD, CAP 2 36 67 CB720 NUT, 6-32 HEX 2 36 68 CK178 SCREW, 6-32 x 1.00 SET 1 36 69 CB283K WIRE ASSEM, TRIGGER/FT. JACK 1 36 70 CK144 LEVER, CLINCHER OPERATING 1 36 71 CB102A NUT, 312-18 UNC 2B HEX 1 36				1						
66 CB56S SCREW, 5-40 x .50 SOC. HD, CAP 2 36 67 CB720 NUT, 6-32 HEX 2 36 68 CK178 SCREW, 6-32 x 1.00 SET 1 36 69 CBB283K WIRE ASSEM., TRIGGER/FT. JACK 1 36 70 CK144 LEVER, CLINCHER OPERATING 1 36 71 CB102A NUT, 312-18 UNC 2B HEX 1 36				1						
67 CB720 NUT, 6-32 HEX 2 36 68 CK178 SCREW, 6-32 x 1.00 SET 1 36 69 CBB283K WIRE ASSEM., TRIGGER/FT. JACK 1 36 70 CK144 LEVER, CLINCHER OPERATING 1 36 71 CB102A NUT, 312-18 UNC 2B HEX 1 36				2						
68 CK178 SCREW, 6-32 x 1.00 SET 1 36 69 CBB283K WIRE ASSEM., TRIGGER/FT. JACK 1 36 70 CK144 LEVER, CLINCHER OPERATING 1 36 71 CB102A NUT, 312-18 UNC 2B HEX 1 36										
70 CK144 LEVER, CLINCHER OPERATING 1 36 71 CB102A NUT, 312-18 UNC 2B HEX 1 36										
71 CB102A NUT, 312-18 UNC 2B HEX 1 36				1	36					
/2 UK-181 WASHEK, .390 ID X .025 UD X .002 / 30				-						
	12	UK-181	WASHEK, .390 ID X .025 OD X .062	/	50					



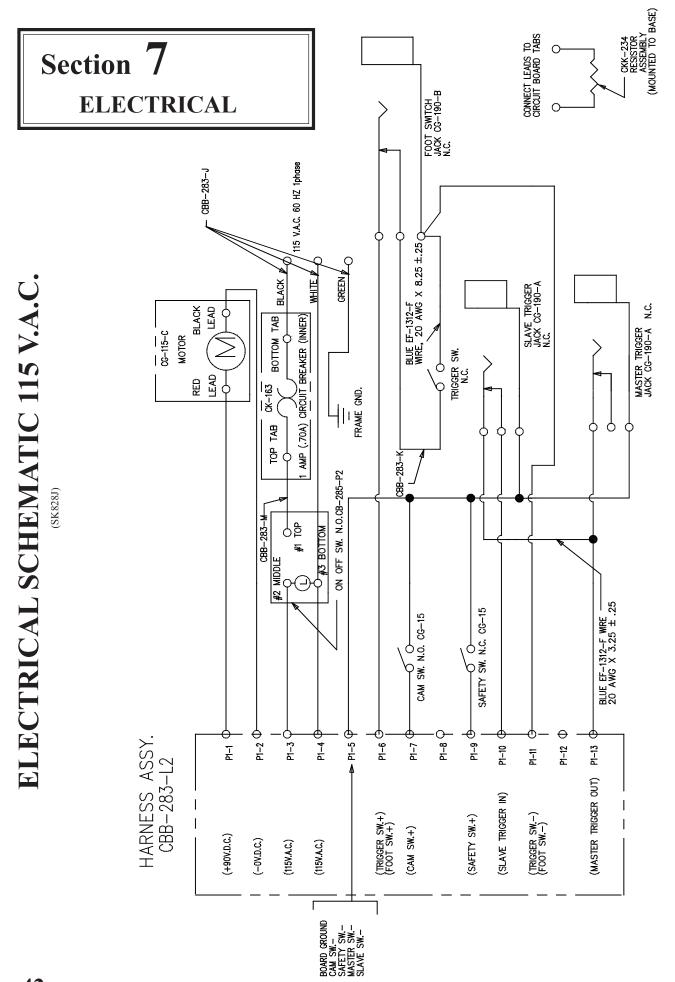
M2000 HEAD

PARTS LIST

The following parts listing (from index numbers 1H through 70H) is for the Bindery Mate's M2000 Head, CTTT-2605-T3.

ITEM	PART NO.	DESCRIPTION	QTY
1H	CAAA9074A2	WIRE GUIDE BRACKET ASSEMBLY	1
		e Wire Guide Bracket Assembly includes the	
	following items the	hrough item 11H:	
1H	CAA9074A2	WIRE GUIDE BRACKET SUB-ASSEMBLY	1
2H	CA9146A	ECCENTRIC SCREW	1
3H	CA9068	ECCENTRIC FRICTION BUSHING	1
4H	CA9065	ECCENTRIC ROLL	1
5H 6H	CA9070 CA9069	ECCENTRIC POINTER ECCENTRIC SPRING	1
7H	CA9067	ECCENTRIC SI KING	1
	D31028F	SET SCREW	1
9H		WIRE STRAIGHTENER ROLL	2
	CA9124	TENSION ROLL CLIP	2
IIH	CA9076	WIRE GUIDE SPRING BRKT ADJ SCREW	1
12H	CB77	FACE PLATE LOCATING BLOCK SCREW	1
13H	CT2606	FACE PLATE LOCATING CLAMP	1
14H	CT2607	FACE PLATE LOCATING BLOCK	1
15H	CAA2623C	DRIVING SLIDE ASSEMBLY	1
		NOTE: The above assembly includes the followi	ng parts:
	CA2623B	DRIVING SLIDE (ONLY)	
	CA2007A	DRIVING SLIDE SPRING PLUNGER	
	CA9006A D37327F	DRIVING SLIDE SPRING DRIVING SLIDE SPRING PIN	
	CA9028	DRIVING SLIDE SERING FIN DRIVING SLIDE ROTATOR OPERATING PIN	
16H	CAAA9013Z2	BENDER BAR ASS'Y COMPLETE	1
	NOTE: The abov	1/2" CROWN #25 TO #30 RD. WIRE re Bender Bar Assembly includes the following items t	hrough
	item 29H	e bender bar Assembly mendes the following items t	niougn
16H	CAA9013U	BENDER BAR SUB ASSEMBLY	
17H	CAA9026	1/2" CROWN #25 TO #30 RD. WIRE SUPPORTER ASSEMBLY 1/2" CROWN	1
	CA9029	SUPPORTER PIVOT PIN	1
19H	CAA9014J	BENDER BAR LATCH ASSEMBLY	1
	CA173	PLASTIC CAP	1
	CA9012M	DRIVER BAR ASSEMBLY 1/2" CROWN	1
	CA9112A CA9113A	BENDER BAR FRICTION PLUG BENDER BAR FRICTION PLUG SPRING	1 1
	CA9115	BENDER BAR FRICTION BUSHING	1
	CA9015D	GRIP	1
	CA168	GRIP SPRING	1
	CT413A	SPRING HOUSING	1
	CB371K CA9024A	LOCKWASHER GRIP RETAINING CLIP SCREW	1
2911	CA9024A	OKIF KETAINING CLIF SCKEW	1
30H	CTT2604N	BONNET CASTING SUB ASSEMBLY	1
31H	CA9127	ROTATOR OPERATING CAM STUD	1
	CA9058	ROTATOR OPERATINGCAM STUD SCREW	1
33H 34H	CA9075 CA9056C	WIRE GUIDE BRACKET SCREW FACE PLATE RETAINING CLIP	1 3
35H	CA9056D	FACE PLATE RETAINING CLIP	1
36H	CK213	SCREW, 4-40 X.500 SOC. HD. SET	1
37H	CA2081	FACE PLATE RETAINING CLIP SCREW	4
38H	CT9109	BONNET ALIGNMENT SCREW	1
39H 40H	CA9032C CA9037	SUPPORTER SPRING SUPPORTER SPRING BUSHING	1 1
40H 41H	CA9037 CA9081	SUPPORTER GUIDE PLATE SCREW	2
42H	CA9030	SUPPORTER GUIDE PLATE	2

ITEM	PART NO.	DESCRIPTION	OTV
			QTY
	CAA9036B CA9034	SUPPORTER SPRING LEVER SUPPORTER SPRING LEVER SCREW	1
	CA9049A	WIRE CUTTER OPERATING SLIDE 1/2" CR.	1
46H	CA9050A	WIRE CUTTER OP. SLIDE FRICTION	1
47H	CA9051A	PLUG WIRE CUTTER OP. SLIDE FRICTION PLUG SPRING	1
48H	CA9022J	GRIP RELEASE SLIDE 1/2" CROWN	1
49H	CA9025F	FACE PLATE ADJUSTING LEVER	1
50H	CAAA2132W	FACE PLATE ASSY. 1/2" CROWN #22 TO #30 RD. WIRE	1
	NOTE: The above item 56H	e Face Plate Assembly includes the following items the	rough
(9H)	CA9103C	WIRE STRAIGHTENER ROLL	2
(10H) CA9124	TENSION ROLL CLIP	4
50H	CAA2132W	FACE PLATE SUB ASSY. 1/2" CROWN	1
51H	CA9065A	#22 TO #30 RD. WIRE WIRE STRAIGHTENER ECCENTRIC ROLL	1
	CA9066A	WIRE STRAIGHTENER ECCENTRIC	1
	CA172	ECCENTRIC FRICTION LOCKING SCREW	1
	CA9098 CA9103A	TENSION PAWL CHECK PAWL ROLLER	1 1
	CA9134	TENSION PAWL SPRING	1
57H	CA9048	WIRE CUTTER	2
58H	CA9043M	ROTATOR HOLDER #25 TO #30 RD. WIRE	1
	CB75B	KEY, WOODRUFF	1
	CA9044A CAA9038E	ROTATOR HOLDER SCREW ROTATOR ASSEMBLY COMPLETE, 1/2" CR.	1 1
62H	CA9163C	ROTATOR OPERATING CAM	1
63H	CAA9046D	ROTATOR OPERATING SPRING ASSEMBLY BONNET CLAMP ECCENTRIC	1
64H	CTT9003D	BONNET CLAMP ECCENTRIC	1
65H		WIRE GUIDE ASSEMBLY	1
	NOTE: The abov item 70H:	we Wire Guide Assembly includes the following items	through
) CA9032C	SUPPORTER SPRING	1
	CTT2133C2	WIRE GUIDE SUB-ASSEMBLY	1
	CB651E CA9651	SCREW WASHER	1 2
		FELT WASHER, THICK	1
	CA9653	FELT WASHER, THIN	1
70H	CB860B	NUT	1



BINDERY MATE II

WHEN ORDERING PARTS, PLEASE STATE: QUANTITY REQUIRED, PART NUMBER, PART NAME, WIRE SIZE AND CROWN WIDTH OF YOUR STITCHER.



ISP Stitching & Bindery Products

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