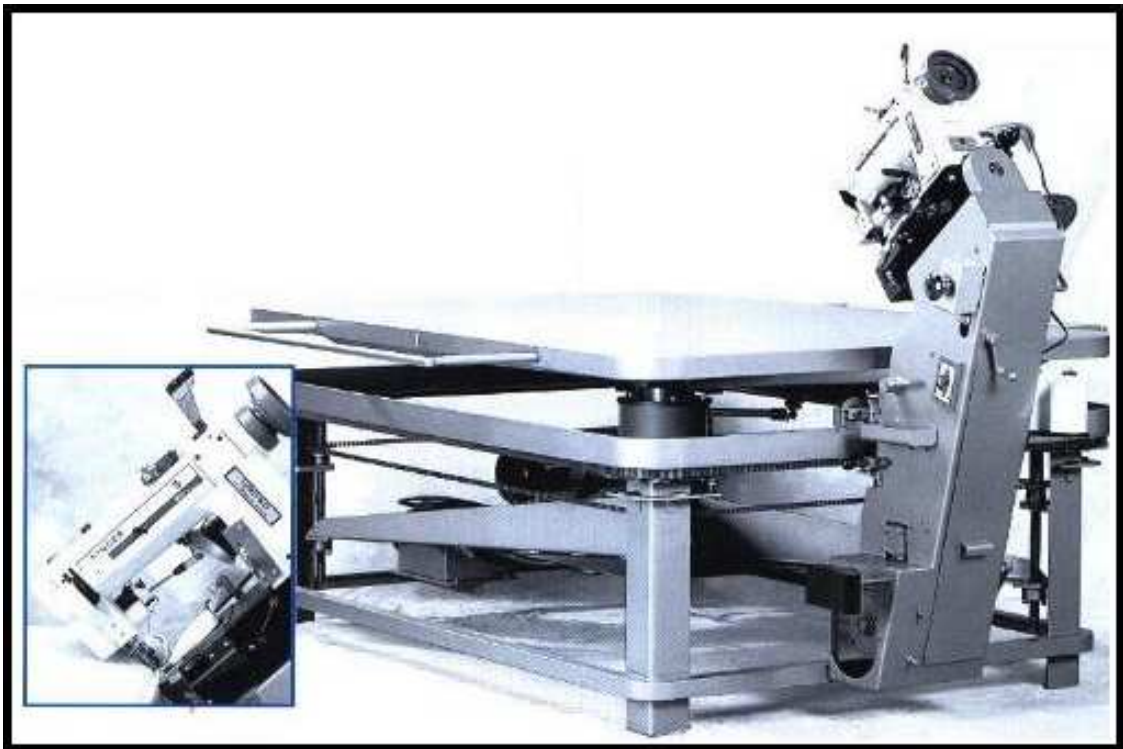


# *UNITED*

## TAPE EDGE

### CLOSING MACHINE



MODEL NR

UNITED MATTRESS MACHINERY COMPANY

Division of *Mathewson Corporation*

86 Finnell Dr. Unit 6 • Weymouth, MA. 02188 • Telephone: 781-331-8440 or 800-245-7250  
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A Complete line of bedding machinery

**UNITED**  
**MATTRESS MACHINERY**

**UNITED** MODEL NR® TAPE EDGE  
CLOSING MACHINE

**OPERATING AND PARTS MANUAL**

**MATHEWSON CORPORATION**  
**UNITED MATTRESS MACHINERY**  
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# OPERATING MANUAL

## FOREWORD

This construction manual and parts catalog contains all the necessary information on installation, operation, care and maintenance of the United Model NR Tape Edge Closing Machine.

The design of this machine is the result of a continuous development program to provide you with modern production equipment to help make better products ... faster and at less cost.

To insure the successful operation of the machine it should be kept well lubricated and as clean as possible.

**PLEASE READ THIS MANUAL THOROUGHLY BEFORE OPERATING THE MACHINE**

### **ASSEMBLY INSTRUCTIONS**

This heavy duty machine is shipped to you in a single crate, with the completely assembled table on a skid, and boxed with the carriage and sewing head each strapped to it. The accessories are wrapped and packed in a separate box inside the shipping box.

#### **TABLE**

Set up the table in it's proper location. install the adjusting screws provided, at the bottom of each leg to level the table.

#### **CARRIAGE**

To assemble the carriage to the table, first remove the roller and stud from the bracket at upper track level. This roller normally runs against the narrow inside (back) face of the upper track. It must be removed to get the carriage on the track. When the carriage has been lifted on the track, running on its caster rollers, replace the roller and stud, this roller adjusts the backlash in the carriage gear and is pre-set at the factory by means of the two set screws and locknuts in the front of the carriage mounting brackets. After mounting the carriage on the table, check for proper backlash by

reaching through the back of the carriage and turning the drive gear side to side. The gear should only have enough play to be just barely noticeable.

The machine has been tested at the factory and no other adjustments are needed.

#### **SEWING HEAD**

Attach the sewing head to the carriage, by means of the four hex head screws provided. These are put in from the bottom, and on two of them a little reaching under the carriage upper tilt plate will have to be done.

Fasten the sewing head drive belt (round belt) over the pulley and feed over idler pulley and sewing head pulley. Then replace the drive wheel cover and sewing head belt guard.

#### **WORK LIGHT**

The work-light bracket is fastened on the side of the head opposite the operator's position. Two screws for fastening the bracket will be found in place. The wire to plug in the work light should be fastened in two places with plasticclips before plugging it into the lower outlet on the carriage.

(The top outlet is for the main power wire coming down from the swivel.) Both these plugs (connectors) are of the twist-on type, requiring a short twist to lock them in place.

### **THREADING**

Next, fasten the (lower) thread cone platter and the (upper) tape reel on the same side of the carriage, away from the table. A rubber guide loop for the main power wire is attached to the head with the same screw used to fasten the tape reel.

Three thread guides, consisting of a wire with a loop at each end are fastened to the carriage and sewing head below the tape reel. The right-hand (needle) thread uses two thread guides, a long one on the carriage and a shorter one on the head; the latter to the left to by-pass the reel. The looper thread, further to the left, uses only one (long) thread guide on the carriage. These guide the two threads to the bracket on top of the head.

The looper thread (on the left) passes from the bracket down through a tube provided. Just thread any needle to the thread and use it as a weight to pass the thread down through the tube to its lower tension post.

The other (needle) thread goes from the upper tension post over various thread guides across the top of the head and down the nose to the needle. The sewing head comes to you fully threaded, so please observe the various thread guides. For further threading information, see page x of this section.

### **ELECTRICAL CONNECTIONS** **ALL ELECTRICAL CONNECTIONS SHOULD BE MADE BY A QUALIFIED ELECTRICIAN**

#### **TABLE MOTOR**

Connect from floor under the table to eliminate exposed wires.

### **OVERHEAD SWIVEL**

Fasten the overhead swivel (banjo) to the ceiling from 7' to 10' above the floor level. The swivel wire is brought down and threaded through a rubber loop, which is fastened to the head below the tape reel with one of the tape reel screws. Be sure the "ground" wire is properly connected. The swivel wire is plugged in and twisted (locked) in place on the upper one of the two connectors on the side of the carriage.

### **STARTING MACHINE**

It is advisable to first turn it over by hand, to be sure everything is in order before turning on the power.

Be sure carriage moves freely along the rail before starting the machine.

Press your right knee against the foam rubber pad on the clutch control, flip the start switch to on, and then move the clutch handle to the horizontal position.

### **ATTENTION:**

**Movement of the clutch handle to the horizontal position without depressing the clutch knee pad will result in severe damage to the carriage drive and void the warranty.**

### **ADJUSTMENTS**

The machine is designed to tape-sew the full circumference of the mattress, to sew the complete panels to the boxing.

It will also close the ends of the mattresses filled on a filling machine with or without tape. When finishing a seam with tape, cut it off just behind the needle and sew it off to complete the unbroken tape continuity around the mattress edge. To rethread the tape into the binder, if necessary, cut it off on a long bias to create a point on the tape for easier threading.

The United heavy-duty head on this machine sews without bobbins, without interruption for the length of the thread cones. Owing to the special construction of the sewing head, it sews with walking feet up very close to the end of the arm, with the tape always under compression and

requiring a minimum of effort for the operator to pull the boxing and the panel into sewing position in the binder.

A soft 30/3 cord thread is recommended for both the needle and the looper. Either left twist or right twist thread can be used.

For the piping attachment, a 24/3 cord thread is recommended for the needle only.

### **LOOPER ADJUSTMENT**

*(The following instructions take place of and supersede those in the green Singer booklet.)*

To time and position the "United" sewing machine looper, set the machine to the desired stitch length. Loosen the Looper Carrier Crank Clamping Nut (#201524E) sufficiently to be able to tap the Looper Carrier from position. Set looper timing mark (L.T.) on machine pulley opposite the arrow on the front of the arm. Tap the looper carrier until the looper point is at the center of the needle.

Turn the machine pulley until the letter "G" is opposite the arrow on the front of the arm. At this position the looper point should again be at the center of the needle. If it is not, adjust the timing of the looper crank by adjusting the looper timing screw, until the point of the looper is at the center of the needle at both the above described position of the machine pulley. ("L.T." opposite arrow and "G" opposite arrow.)

When this position is obtained, securely tighten the looper carrier crank clamping nut. The looper will now be timed and positioned correctly.

## OPERATING INSTRUCTIONS

About 7' x 10' floor space is needed for operating the machine. A combination of the angle setting (tilt) of the sewing head, plus the power adjustment of the table height, permits closing mattresses and cushions from 1" up to 11¼" box, or knife edge cushions and pads.

When the clutch handle, located to the left of the starting switch, is vertical (upright), the carriage is not in gear and will not move forward when the power is turned on. When this same handle is pulled to a horizontal position, the machine carriage is in gear and will move forward when the sewing head starts to function.

**CAUTION:** Movement of the clutch handle to the horizontal position without depressing the clutch knee pad will result in severe damage to the carriage drive and void the warranty.

There is a plunger type locking device just below the clutch handle which locks the carriage tight in place when it is desired to use the sewing head in a stationary position, viz: for closing cushions or similar smaller articles.

In general operation of this equipment, to stop the whole mechanism, both sewing head and forward motion carriage, press the right knee against the foam rubber pad on the knee control. This will leave both the operator's hands free to guide the sewing.

To start the whole mechanism forward, sewing, remove the knee pressure slowly from the knee control.

For the mattress closing operation, have a fully assembled mattress on the machine table with both the hemmed panels temporarily fastened to the hemmed boxing with 3" upholstery pins - six pins per panel will do. Use the finger-tip table height control to regulate for the proper sewing height by merely pulling the cord at any point around the table. Pull to the right to raise the mattress; to the left to lower it. Limit switches prevent the table from raising or lowering too far.

Before starting to sew, grasp the panel firmly with the left hand, the boxing with the right, aiming the two together so that the edges are in the binder. A special lever on the sewing head will lock the presser foot in the upper (open) position so that the panel and boxing can be pushed into the binder without difficulty.

To release the presser foot from the upper (raised and locked) position, the operator needs only to push the lever with his elbow, so that it disengages from its lock notch and closes down on the material to be sewn. The sewing head can then be turned over by hand to push the needle through the goods to be ready for sewing.

Have everything ready to sew, with the right knee pushed up against the foam rubber knee pad, and then turn on the power. Withdraw the knee pressure gradually, permitting the carriage to start forward, sewing as it goes along. To stop the machine, apply positive pressure with the right knee on the foam rubber pad again, which disengages the clutch and stops the machine.

A new operator should be given a mattress to practice on for a day. He should sew up one panel, rip off the tape, and then do it again, until he has the "feel" of the machine. He should practice on the first panel until he acquires the knack of sewing and then try the second panel, which will be tighter.

In the beginning the operator will sew for as long as he can hold the panel and the boxing, and then stop the machine (with the knee control) until he can get another firm hold. The technique of a good tape edge closing operator is to pull upward to get the panel and the boxing under the needle, into the binder, but not to pull forward. When the two hands have the panel and boxing well into the binder and are holding it several inches ahead of the needle, shift the hold to the right hand and move the left hand for a new hold further to the front;



at the same time being ready to move the right hand forward to a new hold the minute the sewing mechanism has closed the mattress (with tape) thus far.

As some experience is gained, longer stretches of tape will be sewn without stopping the machine. Note that the binder and presser feet are right at the far end of the sewing arm, flush with the edge, which makes it easier to pull the panel and boxing up into sewing position. As more experience is gained, this feature will aid and encourage non-stop sewing for the length of the straight seams, and facilitate sewing around the corners.

Mattresses with Marshall (muslin pocket) type spring units are quite soft and therefore easy to close. Those requiring the most effort are the ones selling under various names identifying them as extra firm. These are particularly tight after the half-way-around point on the second panel when everything tightens up. At this point it is essential for the operator to use his left elbow to draw the panel towards the needle, to ease the pressure at the point of sewing.

Most good operators use this elbow technique on all mattresses, and by so doing have been able to improve their sewing speed. A combination crawling fingers and the elbow technique aids non-stop sewing on the long seams, especially on this machine with its special features to encourage such speed sewing.

The machine is equipped with two motors. One is in the bottom of the carriage to drive the carriage and sewing machine. The second is under the table to raise or lower the table top. Motors are installed according to the customer's electrical specifications.

*See instructions attached to the carriage.*

## **SPECIAL OPTIONAL FEATURES**

### **PIPING ATTACHMENT**

A piping attachment is available, at an extra price, for the United Model NR Tape Edge Machine. It consists of a bracket for holding the 12 lb. roll of roving, guide piece to feed the roving into the needle, and a binder for using 1-7/16" tape.

This attachment produces the effect of a miniature roll edge, and adds height to the box of the mattress. If the original machine is purchased with this piping attachment, there is no problem for the user to figure out the feed of the roving. The tape goes into the binder from the binder platen just as any other tape would, and is hand-fed into the binder by cutting off the tape on the bias to create a point for easier handling.

All machines are drilled in the factory for this piping attachment, so it can be put on with the aid of an instruction blueprint (NR-465) furnished when sold separately for later attaching.

**SPECIAL NOTE:** When the piping attachment is used, we recommend changing from a 30/3 to a 24/3 cord thread on the needle. Machines furnished with the piping attachment as original equipment also have a standard 7/8" tape binder and pivot arm furnished as a separate unit. The two binders with their pivot arms are interchangeable so that the machine can be used for either a piping or a plain tape.

To change over from one attachment to another, simply remove the knurled-head pivot screw, replace the one attachment and its arm with the other, and the machine is ready to sew. Of course, the different size tape (with or without the roving) has to be fed into the binder. To do this quickly, cut the tape on the bias with scissors to create a long (tapered) point, which will feed into the binder easily.

### **EXTENSION BARS**

The special optional extension rack for oversize mattresses easily slides out 18" on either side to give extra support for King and other oversize mattresses. Locks out of the way when working on standard sizes.

### **UNDER TABLE SWIVEL**

The United under table swivel not only gives you trouble free operation, but it eliminates all overhead cords or swivels. Just plug in the power inlet cord and you are ready to start operating.

### **VARIABLE SPEED**

The optional variable speed system controls the speed of travel of the carriage and sewing head as they move along the table.

There are two knobs at the operator station, one for controlling the speed of the carriage along the straight portion of the table and the other to set the speed of the carriage as it travels through the corners. Speeds for straight and corner travel are independent.

The speeds selected depend on the skill and experience of the operator.

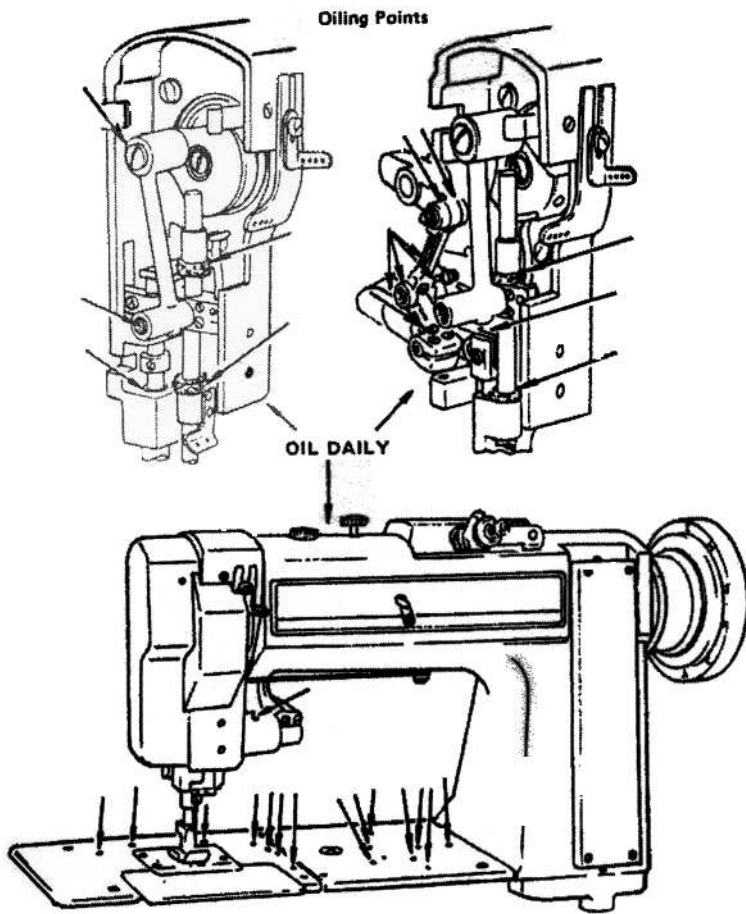
**Please note:** The carriage should not be subjected to shock as it enters the corners. Be sure to set the speed so that the carriage enters the corners smoothly.

Travel speed is also controlled by means of the foam rubber knee pad. The carriage can be stopped by exerting "inward" pressure on the knee pad. Reducing the inward pressure on the knee pad allows the carriage to reach the travel speed set at the operator's station.

The variable speed electrical/ electronic components are enclosed under a cover guard located on the side of the carriage opposite the operator's station. The major electronic component under this guard is Zener master controller. Please refer to the Zener instruction manual for trouble shooting.

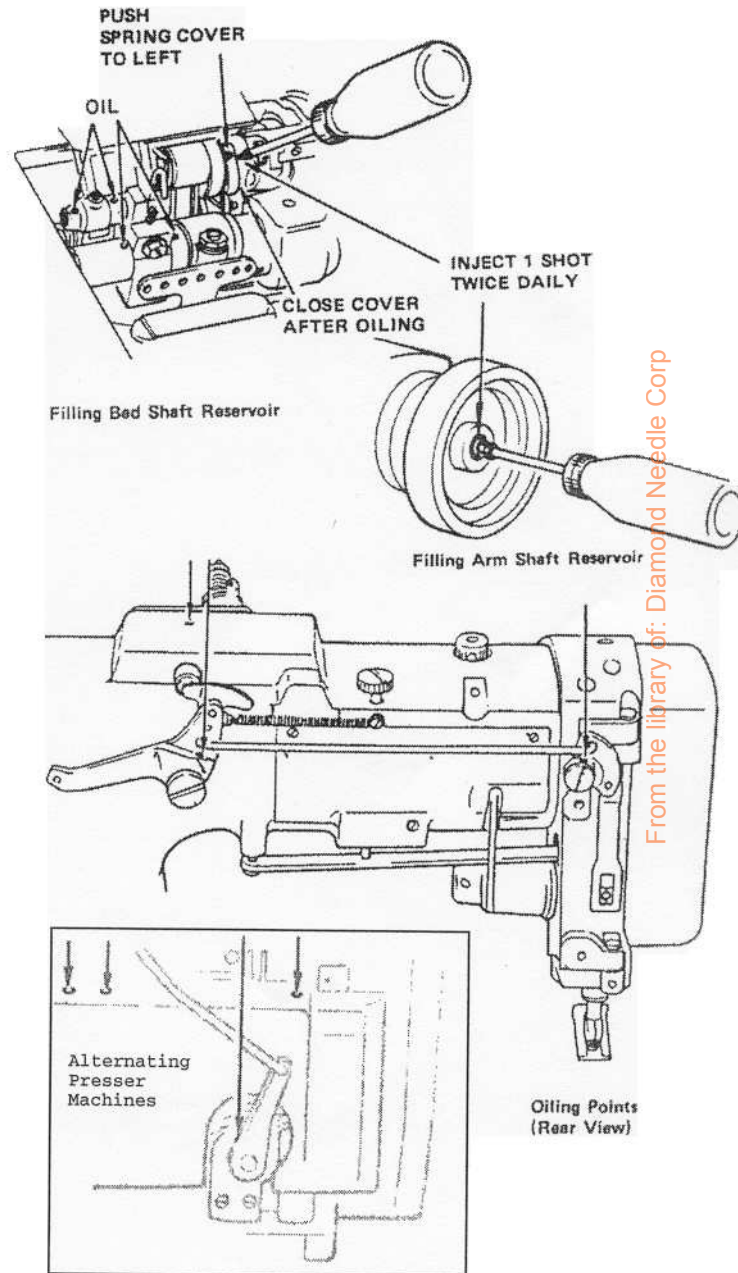
# SEWING HEAD LUBRICATION

Use Singer Oil, "Type B" or Type D"  
Use "Type D" for minimum stain.

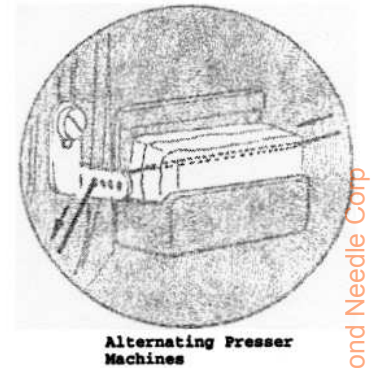
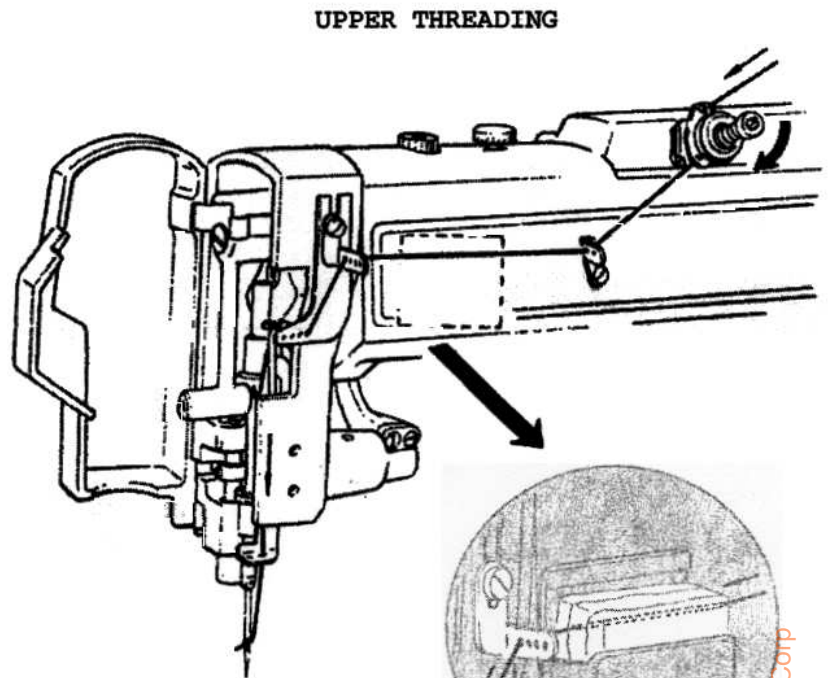
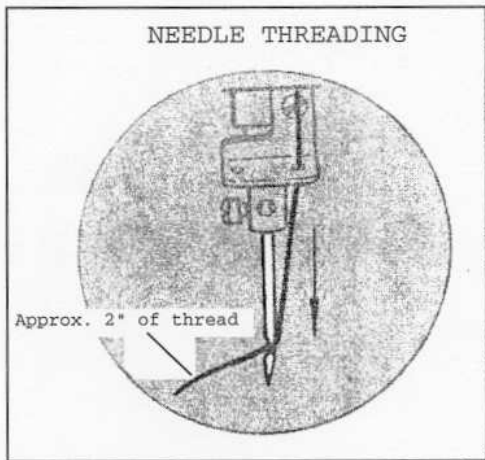
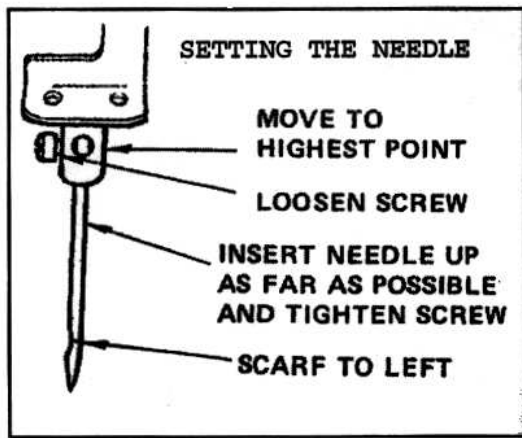


## CLEANING

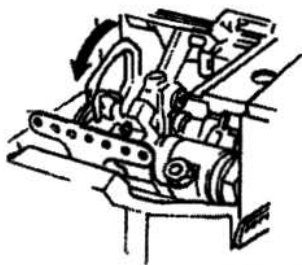
Using short bristled brush (not point of scissors), remove lint or other waste from around the loopers, from between the feed rows and underside of the throat plate and from other operating parts. Wipe the exterior of machine with a soft cloth.



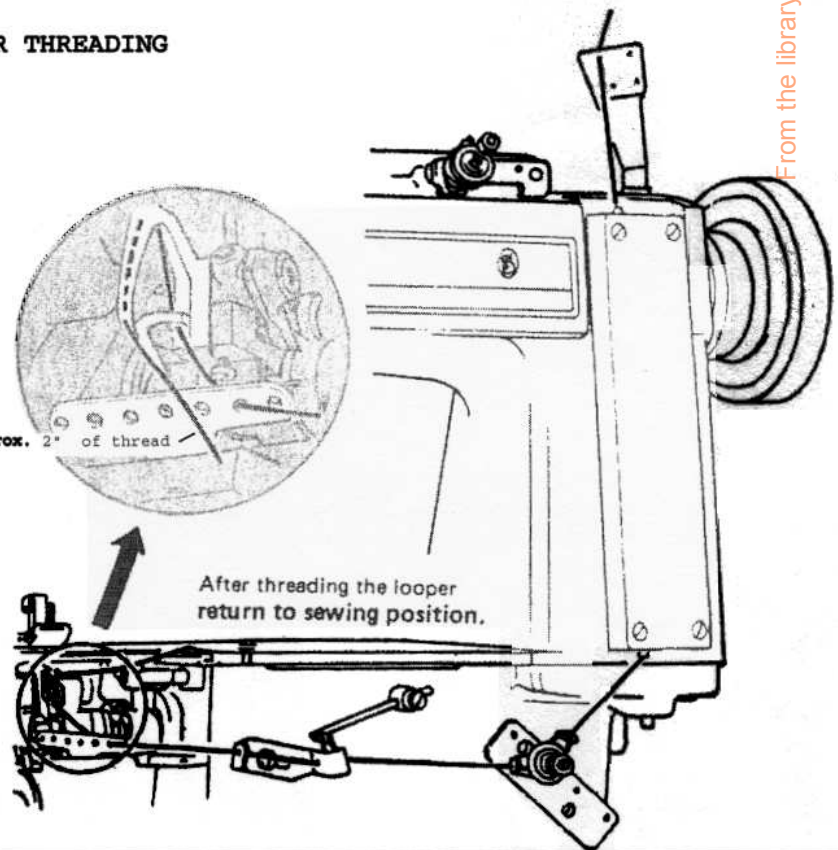
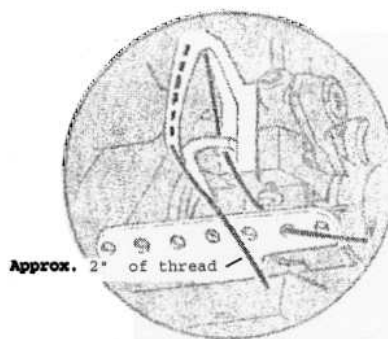
# THREADING SEWING HEAD



## LOOPER THREADING



Open front table section, remove bed slide and turn machine pulley over toward operator until needle bar is at highest point.



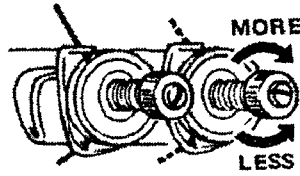


# SEWING HEAD

## THREAD TENSION / STITCH LENGTH

### THREAD TENSIONS

#### NEEDLE Thread Tension

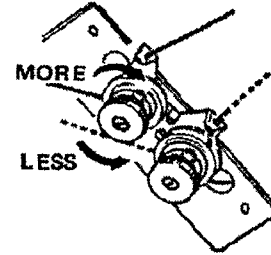


Regulate needle thread tension only when presser foot is down.

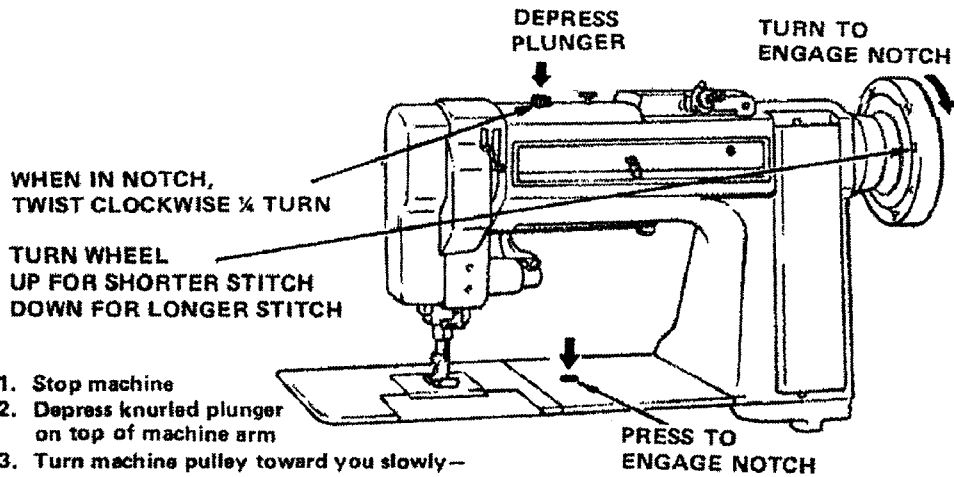
Tension on threads should be as light as possible while still sufficient to set stitch in material.

#### Looper Thread Tension

Open front cover plate to reach looper thread tension thumb screws.



### STITCH LENGTH REGULATION



1. Stop machine
  2. Depress knurled plunger on top of machine arm
  3. Turn machine pulley toward you slowly—
  4. until plunger drops into notch
  5. Twist knurled plunger clockwise  $\frac{1}{4}$  turn locking it in position
  6. Depress button in bed to engage notch
  7. Then turn machine pulley to desired stitch length and release button in bed and knurled plunger on top of arm by twisting it  $\frac{1}{4}$  counter-clockwise
- Never depress button or plunger while machine is running.  
Make certain both are disengaged before starting machine.

# ***UNITED MATTRESS MACHINERY***

## **STANDARD CONDITION OF SALE**

### **MACHINERY WARRANTY**

Mathewson Corporation, United Mattress Machinery Division (the SELLER), warrants all new equipment to be free from defects in material or workmanship for 120 days from date of installation. The obligation under the WARRANTY is limited to the replacement or repair, at the SELLER'S factory, of parts which shall appear to the SELLER, upon inspection, to have been so defective. This WARRANTY does not obligate the SELLER to bear the cost of labor or transportation charges in connection with the replacement or repair of defective parts. This WARRANTY shall not apply to any equipment which has been repaired or altered without the SELLER'S authorization, nor shall it apply to any equipment which has been subject to misuse, neglect or accident. With respect to any component or accessory purchased by the SELLER and incorporated into any equipment, the WARRANTY of the manufacturer thereof shall apply and no other. The SELLER shall in no event be liable for consequential damages or loss of prospective profits.

SELLER MAKES NO OTHER WARRANTY OF ANY KIND WHATSOEVER, EXPRESS OR IMPLIED; AND ALL WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE WHICH EXCEED THE ABOVE-MENTIONED OBLIGATION ARE DISCLAIMED BY SELLER AND EXCLUDED FROM THIS AGREEMENT.

Purchase Orders are accepted only when acknowledged in writing by the SELLER at Weymouth, Massachusetts, by its stated officers. No other employee, agent or salesman has authority to waive or vary and term of the order, to take oral orders or make any sales on any other terms. Any agreement made shall be governed by the laws of Massachusetts. Purchase Orders, after acceptance, are not cancelable except by mutual agreement.

The SELLER reserves the right to make changes in design or add improvements to equipment at any time, without incurring any obligation to install the same on equipment previously delivered.

### **DELIVERY**

Shipping dates are approximate and are subject to the prompt receipt of all necessary information.

The SELLER shall not be liable for delays in delivery or non-delivery, in whole or in part, due to causes beyond its reasonable control; due to acts of God, acts of the Purchaser, acts of civil or military authority, priorities, fires, strikes, floods, epidemics, war, riot, delays in transportation or car shortages, or inability due to causes beyond its reasonable control to obtain necessary labor, materials, components or manufacturing facilities. In the event of any such delay, the date of delivery shall be extended for a period equal to the time lost by reason of the delay.

# ***UNITED MATTRESS MACHINERY***

## **STANDARD CONDITION OF SALE**

### **PARTS WARRANTY**

Mathewson Corporation, United Mattress Machinery Division (the SELLER), warrants all new parts to be free from defects in material or workmanship for 90 days from date of shipment. The obligation under the WARRANTY is limited to the replacement or repair, at the SELLER'S factory, of parts which shall appear to the SELLER, upon inspection, to have been so defective. This WARRANTY does not obligate the SELLER to bear the cost of labor or transportation charges in connection with the replacement or repair of defective parts. This WARRANTY shall not apply to any equipment which has been repaired or altered without the SELLER'S authorization, nor shall it apply to any equipment which has been subject to misuse, neglect or accident. With respect to any component or accessory purchased by the SELLER and incorporated into any equipment, the WARRANTY of the manufacturer thereof shall apply and no other. The SELLER shall in no event be liable for consequential damages or loss of prospective profits.

SELLER MAKES NO OTHER WARRANTY OF ANY KIND WHATEVER, EXPRESS OR IMPLIED; AND ALL WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE WHICH EXCEED THE ABOVE-MENTIONED OBLIGATION ARE DISCLAIMED BY SELLER AND EXCLUDED FROM THIS AGREEMENT.

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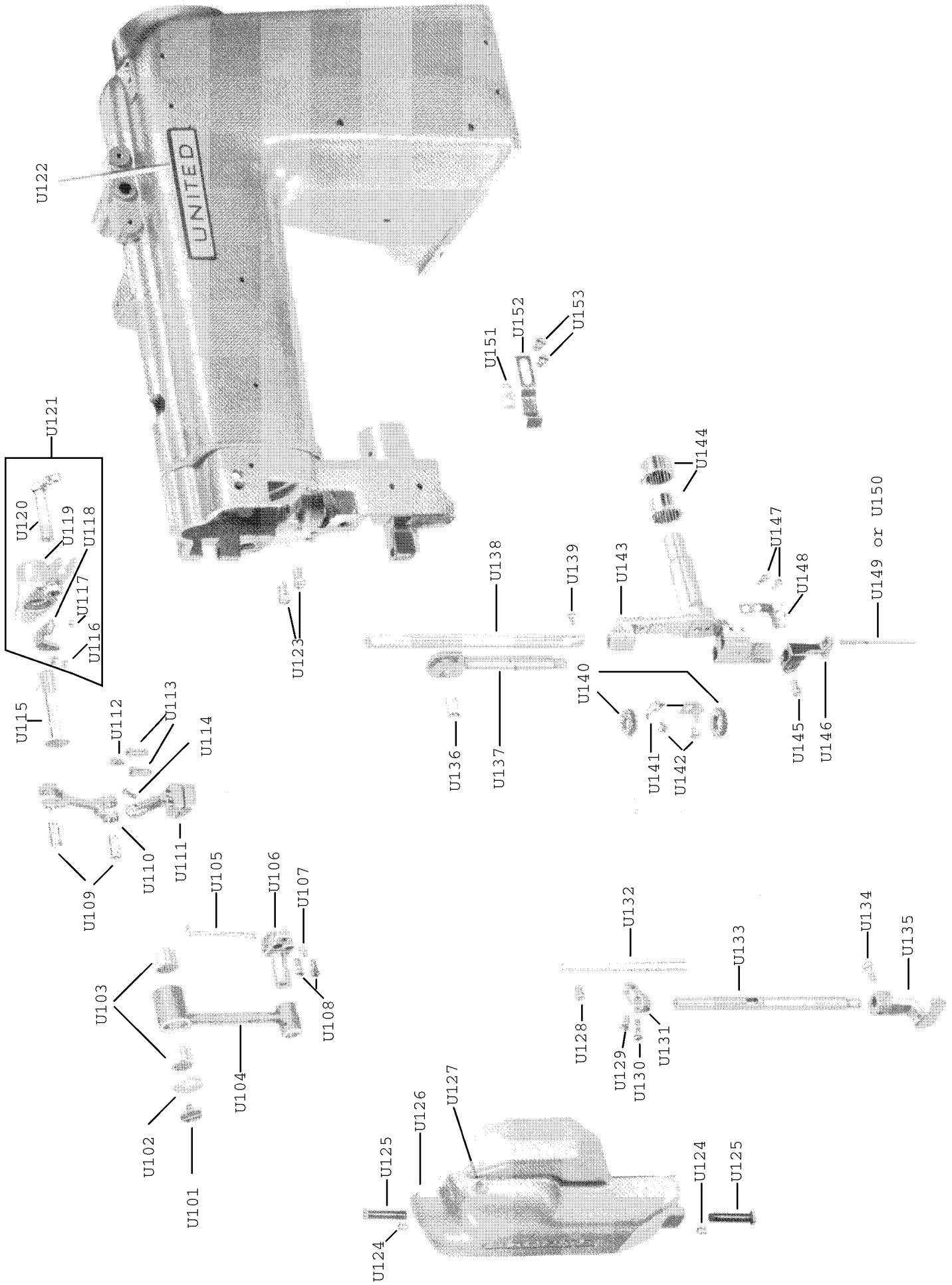
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PLATE 1  
FRONT ASSEMBLY SEWING ARM



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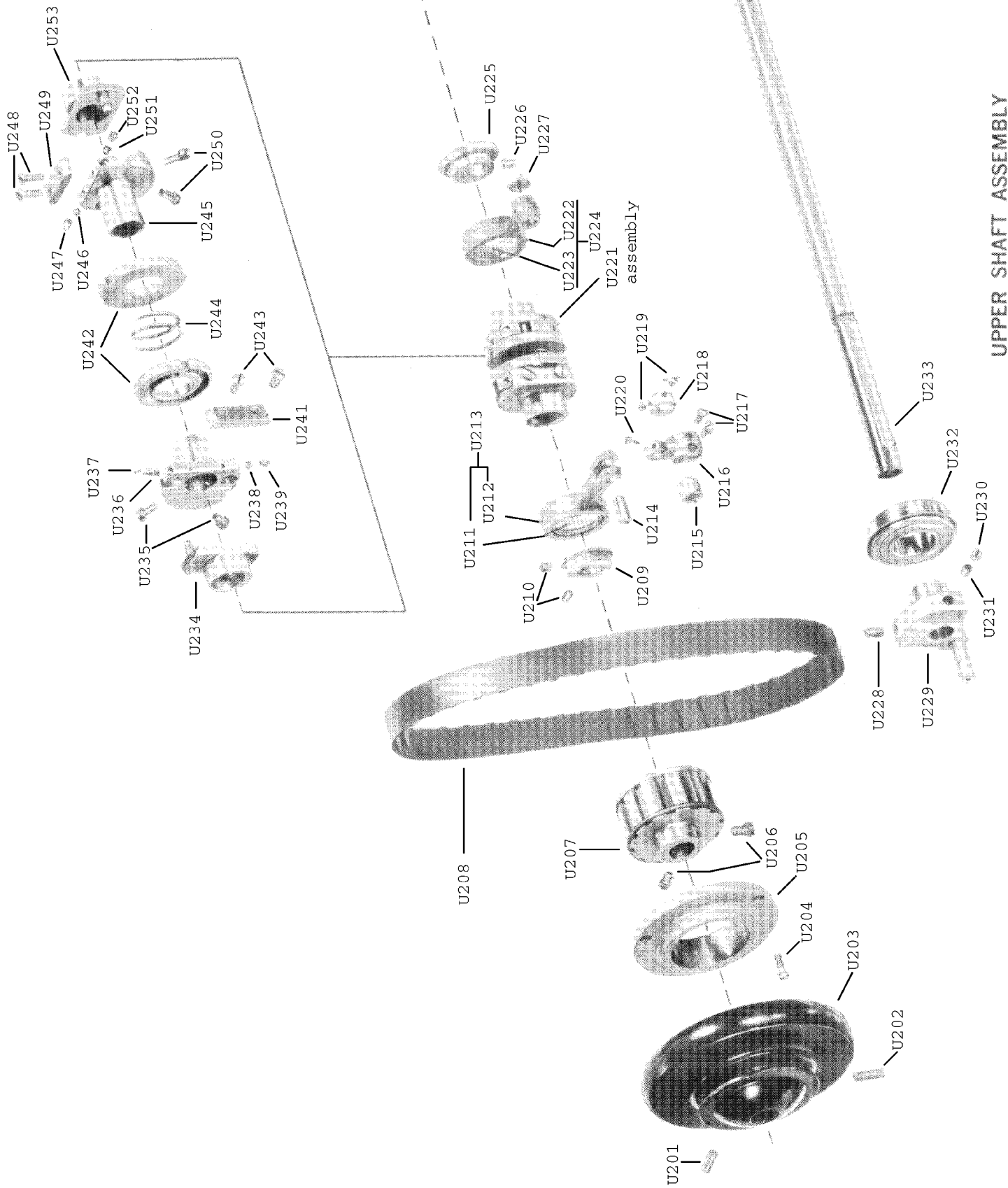
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KEY.	PART NO.		DESCRIPTION.	KEY.	PART NO.		DESCRIPTION.
	300-U	300-W			300-U	300-W	
U101	S200095	SAME	NEEDLE BAR CONN. LINK SCREW	U121	S415333	SAME	PRESSER BAR CRANK - ASSY.
U102	S268139	SAME	NEEDLE BAR CONN. LINK WASHER	U122	NR-163	SAME	UNITED NAME PLATE
U103	S270266	SAME	BEARING FOR NR-439 (U104)	U123	S350604	S201254	SCREW
U104	NR-439	SAME	NEEDLE BAR CONNECTING LINK	U124	S545174-452	6601	SET SCREW
U105	S268512	SAME	THREAD GUIDE - NEEDLE BAR STUD	U125	S268330	SAME	STUD - FACE PLATE
U106	NR-438	SAME	NEEDLE BAR CONNECTING STUD	U126	NR411,411J	SAME	FACE PLATE DOOR
U107	S414545	S201188	SCREW FOR THREAD GUIDE	U127	S268033	SAME	PRESSER BAR GUIDE BLOCK
U108	S414511	S200069	SCREW	U128	S544301	S200351	BAR GUIDE ROD SET SCREW
U109	S267617	SAME	HINGE PIN - LIFTING ECCENTRIC	U129	S414516	S200056	SCREW
U110	S267627	SAME	LIFTING LEVER LINK STUD	U130	S414512	S200066	SCREW
U111	S415061	SAME	LIFTING CRANK	U131	S415059	SAME	PRESSER BAR GUIDE BLOCK
U112	S141338	S200344	SCREW	U132	S267907	SAME	PRESSER BAR GUIDE ROD
U113	S414511	S200061	SCREW	U133	S267628	SAME	PRESSER BAR
U114	4784	SAME	SCREW	U134	1653	SAME	SCREW
U115	S267626	SAME	LIFTING LEVER LINK STUD	U135	NR-413	SAME	PRESSER FOOT
U116	S414548	S201409	SCREW	U136	S267658	SAME	VIBRATING PRESSER BAR HINGE STUD
U117	6576	SAME	BALL FOR U118	U137	S267657	SAME	VIBRATING PRESSER BAR
U118	S267718	SAME	PRESSER BAR BEARING RETAINER	U138	NR-482	SAME	NEEDLE BAR
U119	S415067	SAME	LIFTING LEVER	U139	S200125	SAME	SCREW - FOR NR-482 (U138)
U120	S267631	SAME	PRESSER BAR LIFTING CRANK	U140	S268144	SAME	NEEDLE BAR OILING FELT



UNITED MATTRESS MACHINERY

PLATE 2  
UPPER SHAFT ASSEMBLY



UPPER SHAFT ASSEMBLY

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KEY.	PART NO.		DESCRIPTION.	KEY.	PART NO.		DESCRIPTION.
	300-U	300-W			300-U	300-W	
U201	S414525	S200347	BALANCE WHEEL LOCK SCREW	U221	S415075	SAME	TOP SHAFT ECCENTRIC ASSEMBLY
U202	S414526	S200342	BALANCE WHEEL POSITION SCREW	U222	S268060	SAME	CONNECTOR
U203	S415153	SAME	HAND WHEEL ASSEMBLY	U223	S415368	SAME	NEEDLE BEARING
U204	S544336	S20047	SCREW	U224	S268061	SAME	CONNECTOR ASSEMBLY
U205	S268004	SAME	ARM SHAFT BEARING HOUSING	U225	NR-641	SAME	LIFTING ECCENTRIC SPACING COLLAR
U206	S414546	S201254	SCREW	U226	S414529	6266	SCREW
U207	NR-491	SAME	ARM SHAFT TIMING PULLEY	U227	S545297	S200123	CAP SCREW
U208	NR-494	SAME	BELT - ARM SHAFT - TIMING ASSEMBLY	U228	S500272	S200346	SCREW
U209	NR-641	SAME	LIFTING ECCENTRIC SPACING COLLAR	U229	S415137	SAME	NEEDLE BAR CRANK
U210	S414529	6266	SCREW	U230	S544358	S200346	SCREW
U211	S415368	SAME	NEEDLE BEARING	U231	S549024	S201222	SCREW
U212	S268492	SAME	LIFTING ECCENTRIC CONNECTION	U232	S32848	SAME	ARM SHAFT BALL BEARING
U213	S268493	SAME	LIFTING ECCENTRIC CONNECTION ASSY.	U233	S415128	SAME	ARM SHAFT ASSEMBLY
U214	S267617	SAME	LINK ECCENTRIC HINGE PIN	U234	S268064	SAME	LIFTING ECCENTRIC
U215	S267110	SAME	BEARING	U235	S414555	S350467	SCREW
U216	S415069	SAME	LIFING ECCENTRIC CRANK	U236	S241763	SAME	BRASS PACKING
U217	S414509	S200058	SCREW	U237	S414557	S350477	SET SCREW
U218	NR-429	SAME	COLLAR	U238	S241763	SAME	BRASS PACKING
U219	6526	SAME	SET SCREW	U239	S414557	S350477	SET SCREW
U220	S414543	S201063	SCREW	U240	S415077	SAME	LIFTING ECCENTRIC FLANGE

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KEY.	PART NO.		DESCRIPTION.	KEY.	PART NO.		DESCRIPTION.
	300-U	300-W			300-U	300-W	
U241	S267623	SAME	GIB				
U242	S268065	SAME	ADJUSTING FLANGE				
U243	S374098	S350548	SCREW				
U244	S267618	SAME	ADJUSTING DISC SPRING				
U245	S415079	SAME	LIFTING ECCENTRIC FLANGE				
U246	S241763	SAME	BRASS PACKING				
U247	S414557	S350477	SET SCREW				
U248	S544286	S350548	SCREW				
U249	S267623	SAME	GIB				
U250	S414555	S350467	SCREW				
U251	S241763	SAME	BRASS PACKING				
U252	S414557	S350477	SET SCREW				
U253	S268064	SAME	LIFTING ECCENTRIC				
U253	S272142	SAME	HANDWHEEL BEARING				

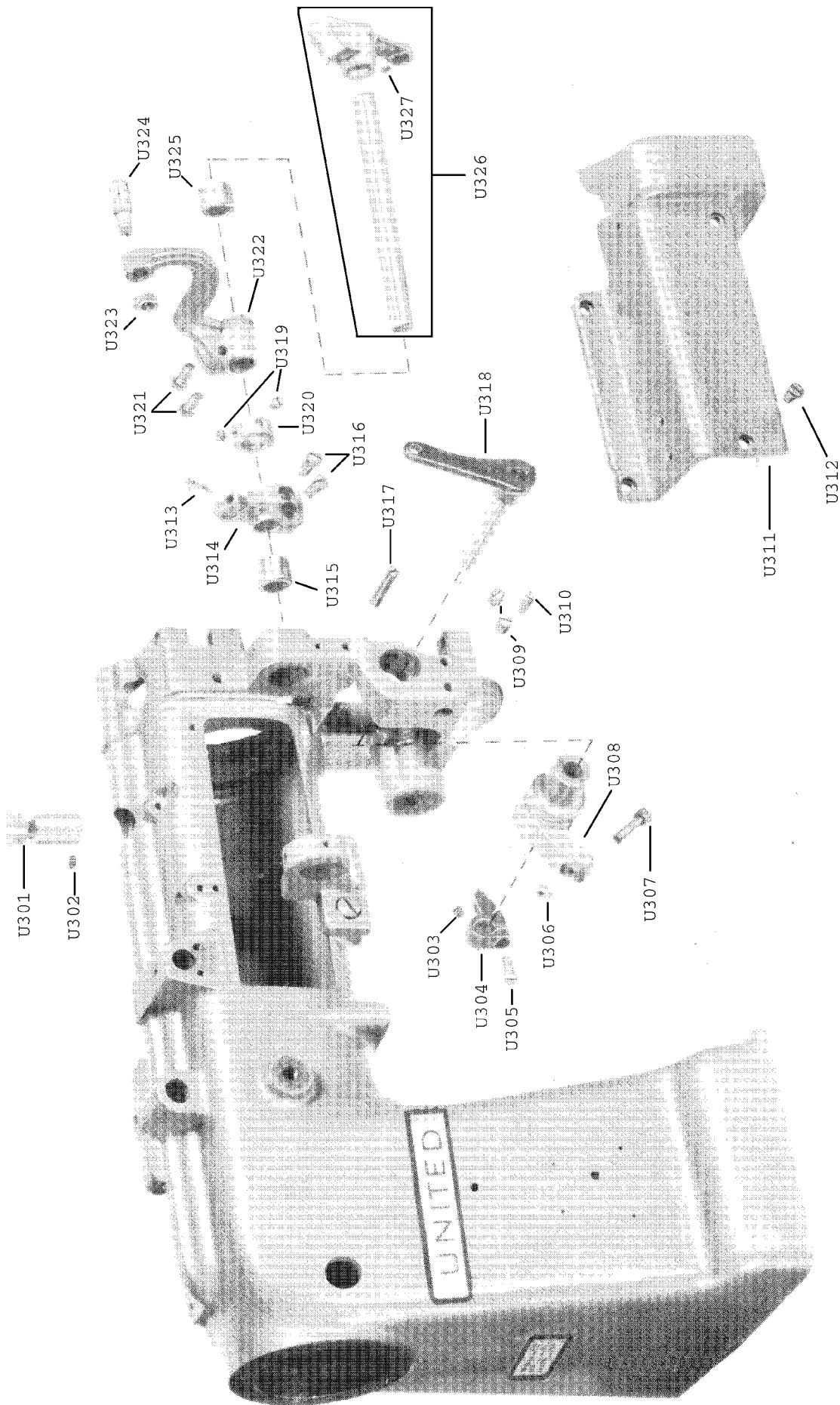


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PLATE 3  
EXTERNAL PARTS SEWING ARM

EXTERNAL PARTS SEWING ARM

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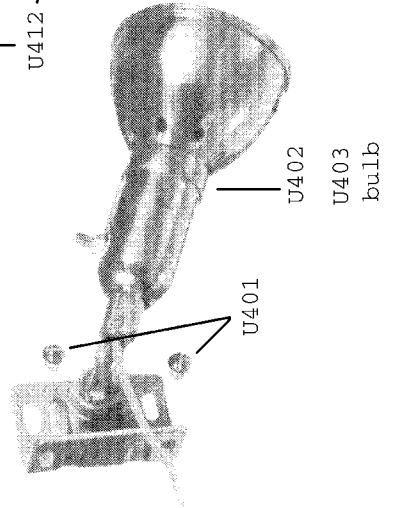
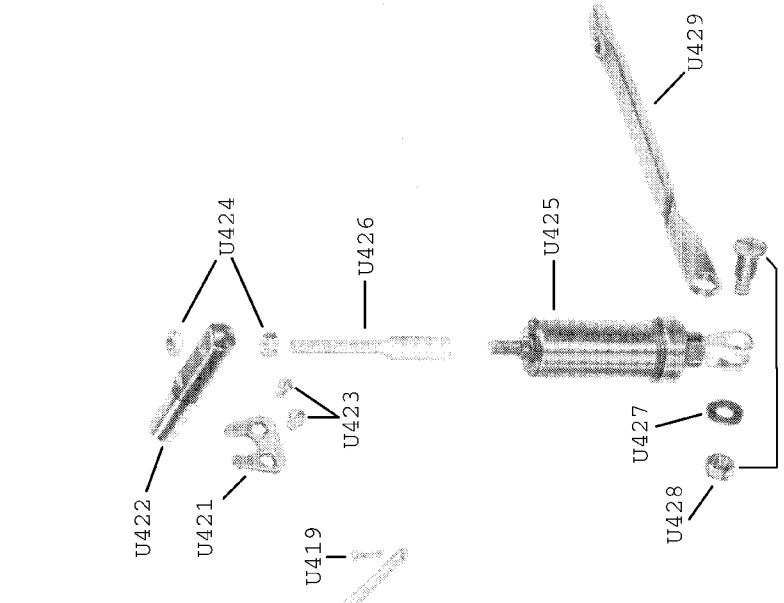
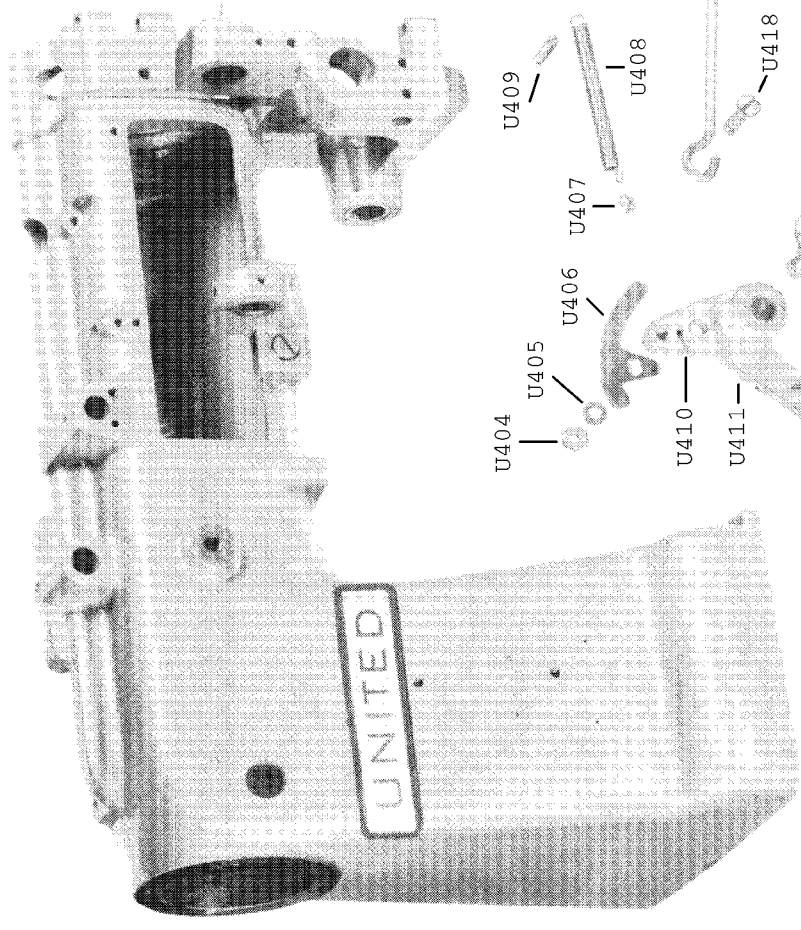
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**PLATE 3**

KEY.	PART NO.		DESCRIPTION.	KEY.	PART NO.		DESCRIPTION.
	300-U	300-W			300-U	300-W	
U301	S415098	SAME	ROCK FRAME REGULATING STUD	U321	NR-509	SAME	SCREW
U302	S414527	S200337	SCREW	U322	S415094	SAME	ROCK FRAME DRIVING ARM
U303	S545213	S200364	SCREW	U323	S541197	S201522	NUT
U304	S415122	SAME	FOOT LIFTER ARM	U324	S415092	S415373	HINGE STUD
U305	S414509	S200058	SCREW	U325	S267110	SAME	BEARING
U306	6360	SAME	NUT	U326	S32789	SAME	LIFTING ROCK SHAFT ASSEMBLY
U307	6219	SAME	SCREW	U327	S141124	4784	SCREW
U308	NR-502	SAME	SPRING ARM FULCRUM				
U309	S544322	S200362	SET SCREW				
U310	S414530	S200417	SCREW				
U311	NR-901 J	SAME	COVER				
U312	S545246	S200078	SCREW				
U313	S414543	S201063	SCREW				
U314	S415069	SAME	LIFTING ECCENTRIC CONNECTION CRANK				
U315	S267110	SAME	BEARING				
U316	S414509	S200058	SCREW				
U317	S414566	NR-534	SCREW STUD				
U318	S267612	SAME	FOOT LIFTER CRANK				
U319	6526	SAME	SET SCREW				
U320	NR-429	SAME	COLLAR				

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PLATE 4  
EXTERNAL PARTS SEWING ARM



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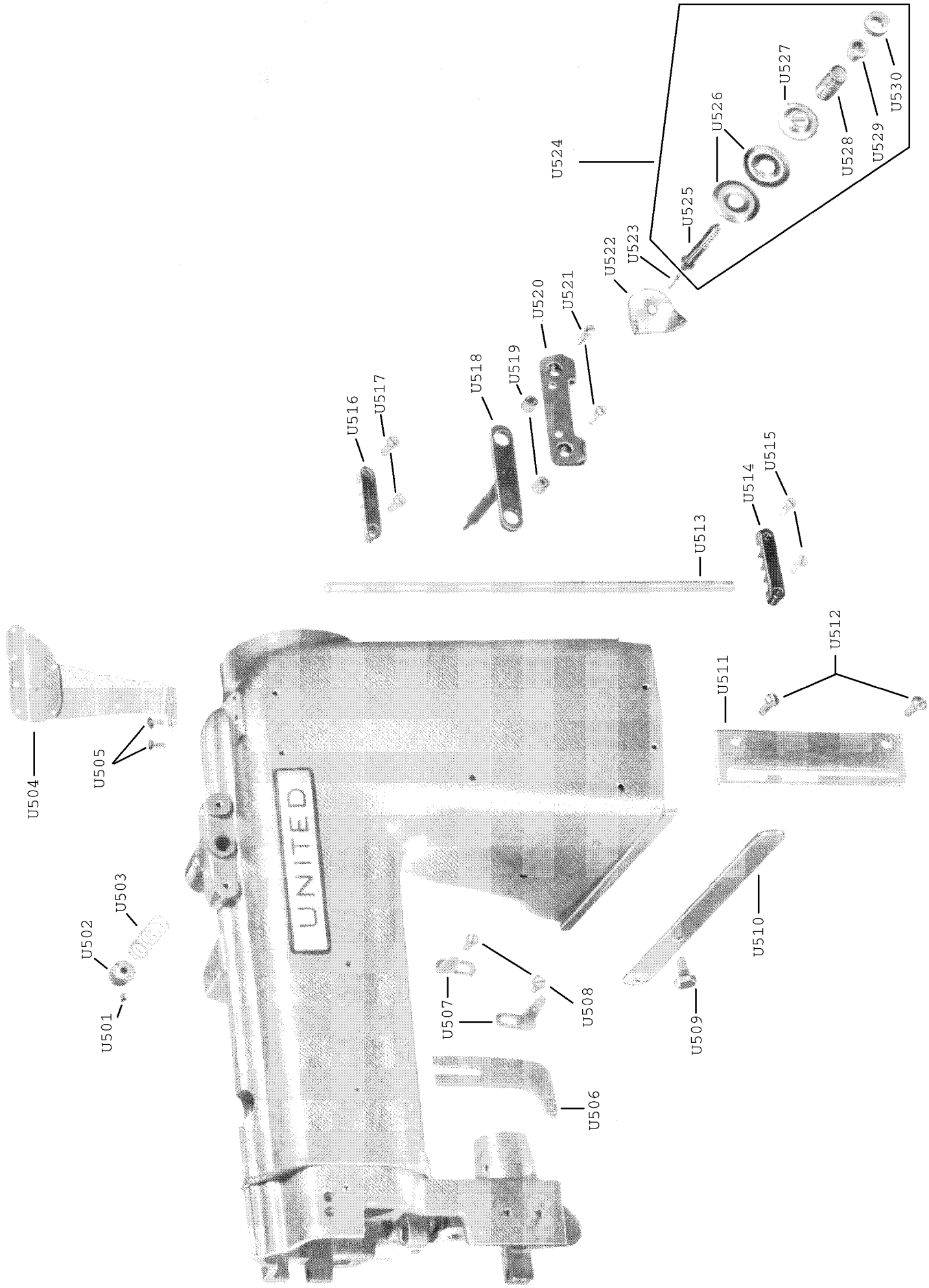
**PLATE 4**

KEY.	PART NO.		DESCRIPTION.	KEY.	PART NO.		DESCRIPTION.
	300-U	300-W			300-U	300-W	
U401	749	SAME	SCREW	U421	S267650	SAME	SPRING HOUSING RETAINER
U402	NR907	NR907	LAMP ASSY. ( REPLACES ALL LAMP ASSY'S)	U422	NR-904	SAME	PRESSURE CYLINDER SUPPORT
U403	S3211	2084	S3211 SCREW TYPE / 2084 BAYONET TYPE	U423	S545205	S200098	HINGE SET SCREW
U404	S541166	S201526	NUT	U424	NR-199	SAME	NUT
U405	S543804-004	SAME	WASHER	U425	NR505/506 J	SAME	PISTON AND ADAPTER
U406	S267707	SAME	THREAD TENSION RELEASING PLATE	U426	NR-506 J	SAME	ADAPTER
U407	S414570	S201160	SCREW EYE	U427	105	SAME	WASHER
U408	S204348	SAME	SPRING	U428	S545405 & S414567	SAME	SCREW AND NUT ( MUST BE PURCHASED AS ONE UNIT)
U409	S544336	S200047	SCREW	U429	S267738	SAME	LEVER
U410	1075	SAME	ROLL PIN	U430	S415009	S267905	BELL CASTING
U411	NR-486	SAME	FOOT LIFTER LEVER				
U412	6360	SAME	NUT				
U413	NR-425	SAME	PRESSER FOOT LIFTING ROD				
U414	108	SAME	WASHER				
U415	127	SAME	COTTER PIN				
U416	1648	SAME	BALL JOINT				
U417	S201363	SAME	SCREW				
U418	S414577	S350524	SCREW				
U419	127	SAME	COTTER PIN				
U420	S267704	SAME	FOOT LIFTER LEVER ROD				

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PLATE 5  
EXTERNAL PARTS SEWING ARM







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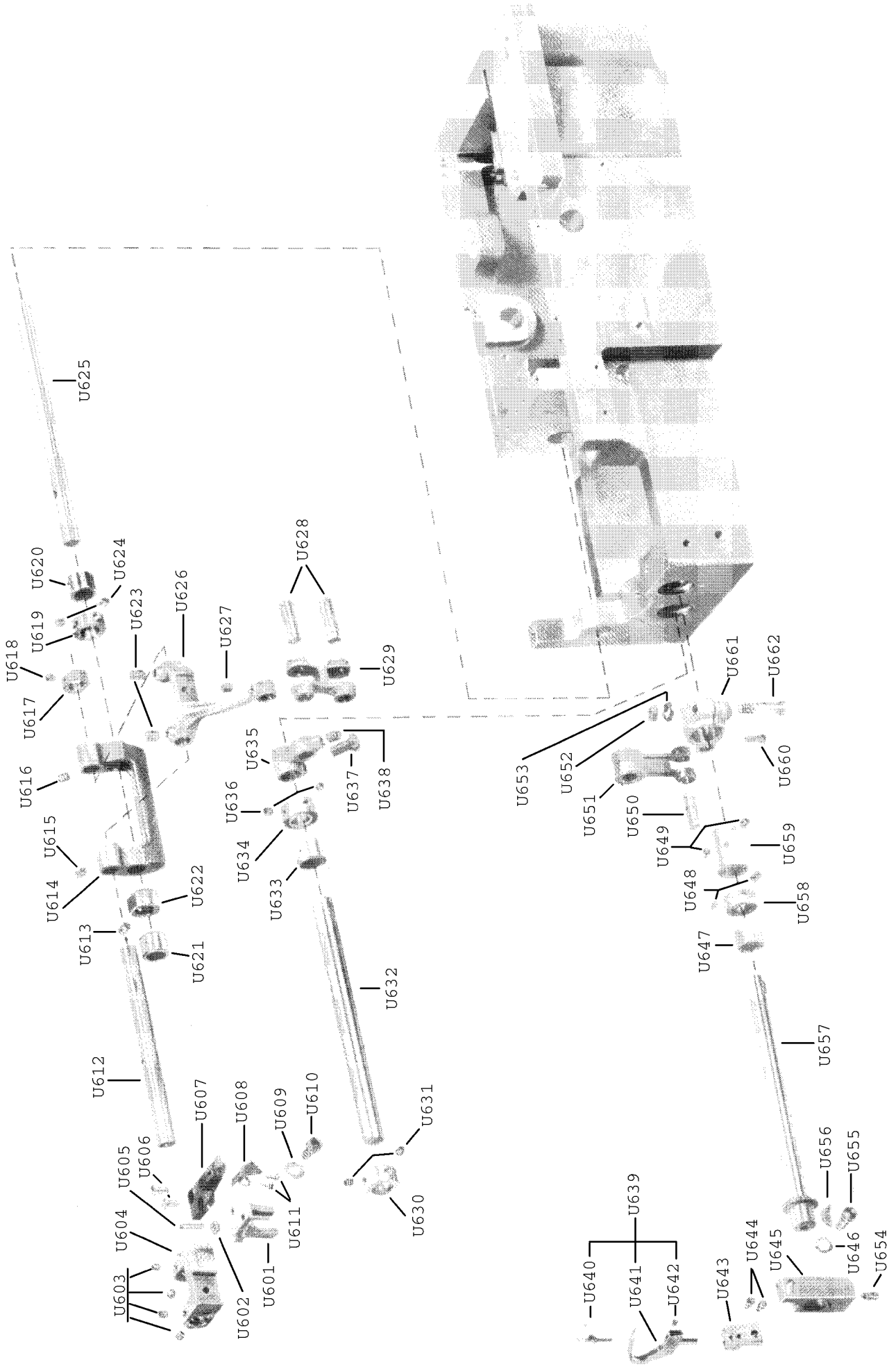
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PLATE 5

KEY.	PART NO.		DESCRIPTION.	KEY.	PART NO.		DESCRIPTION.
	300-U	300-W			300-U	300-W	
U501	S504048	S201052	CAP SCREW	U521	S544336	S200047	SCREW
U502	S415252	SAME	NEEDLE THREAD TENSION NUT	U522	S54279	SAME	DOUBLE THREAD GUIDE TENSIONER
U503	S204365	SAME	SPRING	U523	S226206	SAME	RELEASING PIN
U504	S268506	SAME	THREAD GUIDE	U524	S267971	SAME	COMPLETE TENSION ASSEMBLY
U505	S414537	S200578	SCREW	U525	S59539	SAME	STUD
U506	S268312	SAME	THREAD GUIDE	U526	S2102	SAME	FLANGE
U507	S268513	SAME	THREAD GUIDE	U527	S32572	SAME	FLANGE
U508	S414514	S200082	THREAD GUIDE SCREW	U528	S131741	SAME	THREAD TENSIONER SPRING
U509	NR-403	SAME	SCREW	U529	S143657	S59537	SPRING BUSHING
U510	NR-426	SAME	LIFTING LEVER	U530	S51570	SAME	NUT
U511	NR-427	SAME	LIFT LEVER LATCH PLATE				
U512	749	SAME	SCREW				
U513	S268123	SAME	LOOPER THREAD TUBE				
U514	S415342	S268124	LOOPER THREAD TUBE COVER				
U515	S414639	S200054	TUBE COVER SCREW				
U516	S415342	S268124	LOOPER THREAD TUBE COVER				
U517	S414639	S200054	TUBE COVER SCREW				
U518	S415357	S268168	THREAD TENSION RELEASE				
U519	S268121	SAME	SPRING COLLAR				
U520	S268167	SAME	NEEDLE THREAD TENSION BRACKET				

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PLATE 6  
EXTERNAL PARTS SEWING ARM



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**PLATE 6**

KEY.	PART NO.		DESCRIPTION.	KEY.	PART NO.		DESCRIPTION.
	300-U	300-W			300-U	300-W	
U641	S268380	SAME	LOOPER (WITH SCREWS)	U661	S415174	SAME	LOOPER CARRIER CRANK
U642	S141494	SAME	SET SCREW	U662	S415292	S268308	CRANK CLAMPING STUD
U643	NR-440	SAME	LOOPER HOLDER				
U644	S414558	S350478	SCREW				
U645	NR-428	SAME	LOOPER CARRIER				
U646	S543804-004	SAME	WASHER				
U647	S268071	SAME	BEARING				
U648	6526	SAME	SCREW				
U649	6526	SAME	SCREW				
U650	S268208	SAME	LOOPER CARRIER CRANK HINGE PIN				
U651	S268216	SAME	LOOPER DRIVING CONNECTION ASSEMBLER				
U652	S541198	S201524	NUT				
U653	102	SAME	LOCK WASHER				
U654	6266	SAME	SCREW				
U655	S414553	S350267	LOOPER HOLDER SCREW				
U656	198	SAME	KEY				
U657	NR-419	SAME	LOOPER ROCKER SHAFT				
U658	NR-429	SAME	COLLAR				
U659	NR-418	SAME	ROCKER SHAFT BUSHING				
U660	S414516	S200089	SCREW				

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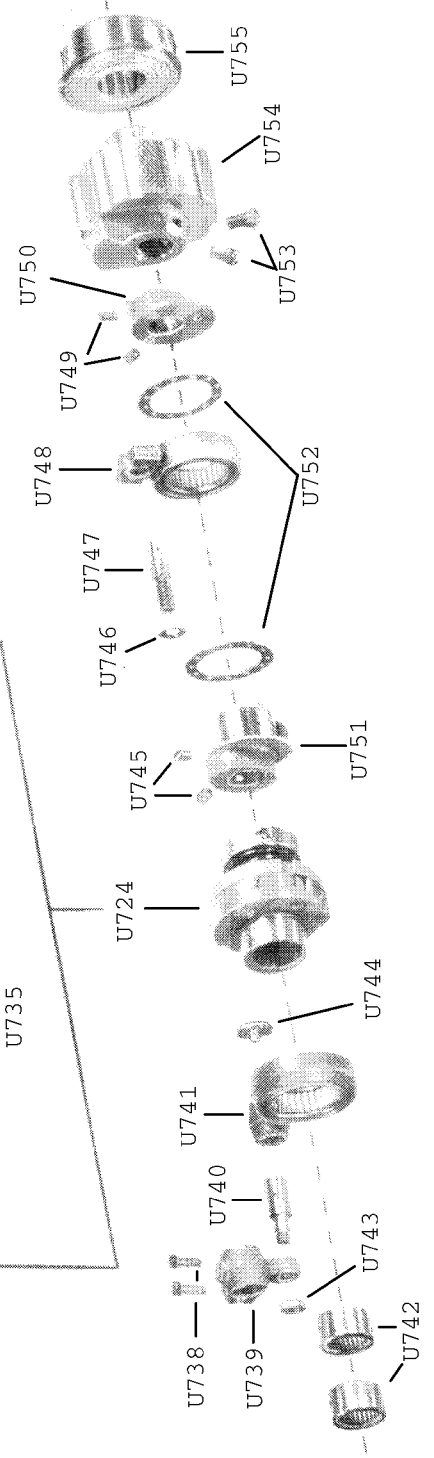
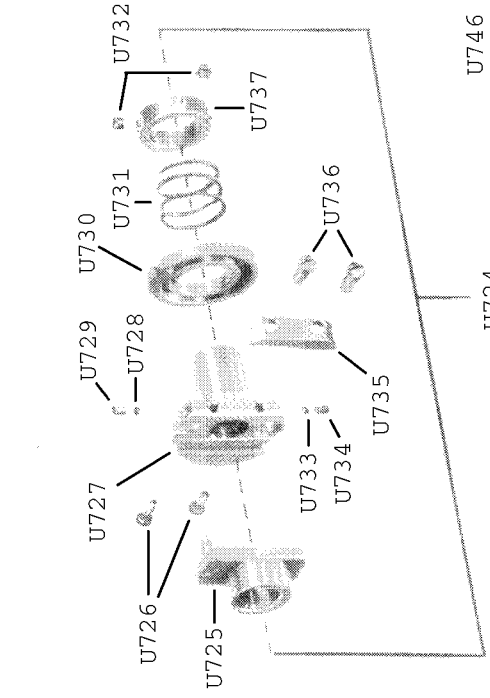
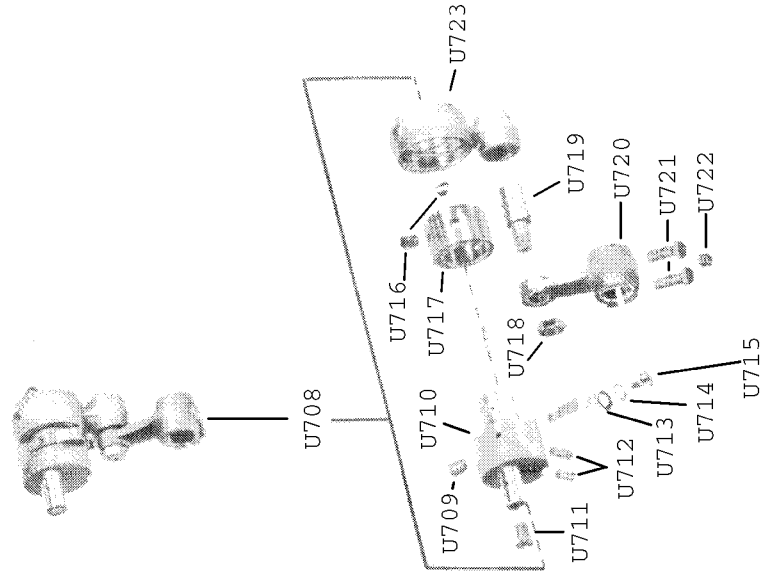
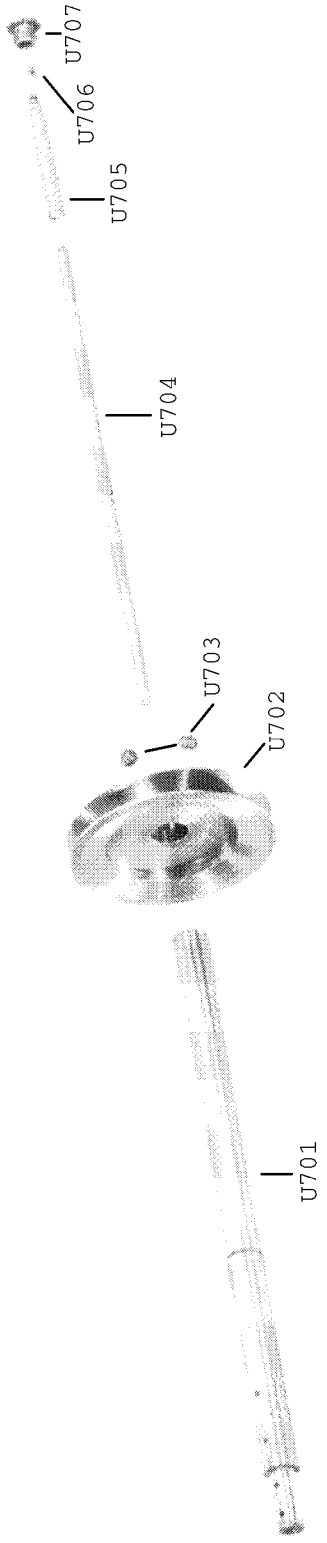
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**PLATE 6**

KEY.	PART NO.	300-W	DESCRIPTION.	KEY.	PART NO.	300-W	DESCRIPTION.
U641	S268380	SAME	LOOPER (WITH SCREWS)	U661	S415174	SAME	LOOPER CARRIER CRANK
U642	S141494	SAME	SET SCREW	U662	S415292	S268308	CRANK CLAMPING STUD
U643	NR-440	SAME	LOOPER HOLDER				
U644	S414558	S350478	SCREW				
U645	NR-428	SAME	LOOPER CARRIER				
U646	S543804-004	SAME	WASHER				
U647	S268071	SAME	BEARING				
U648	6526	SAME	SCREW				
U649	6526	SAME	SCREW				
U650	S268208	SAME	LOOPER CARRIER CRANK HINGE PIN				
U651	S268216	SAME	LOOPER DRIVING CONNECTION ASSEMBLER				
U652	S541198	S201524	NUT				
U653	102	SAME	LOCK WASHER				
U654	6266	SAME	SCREW				
U655	S414553	S350267	LOOPER HOLDER SCREW				
U656	198	SAME	KEY				
U657	NR-419	SAME	LOOPER ROCKER SHAFT				
U658	NR-429	SAME	COLLAR				
U659	NR-418	SAME	ROCKER SHAFT BUSHING				
U660	S414516	S200089	SCREW				

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PLATE 7  
LOWER SHAFT ASSEMBLY  
(see over)



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**PLATE 7**

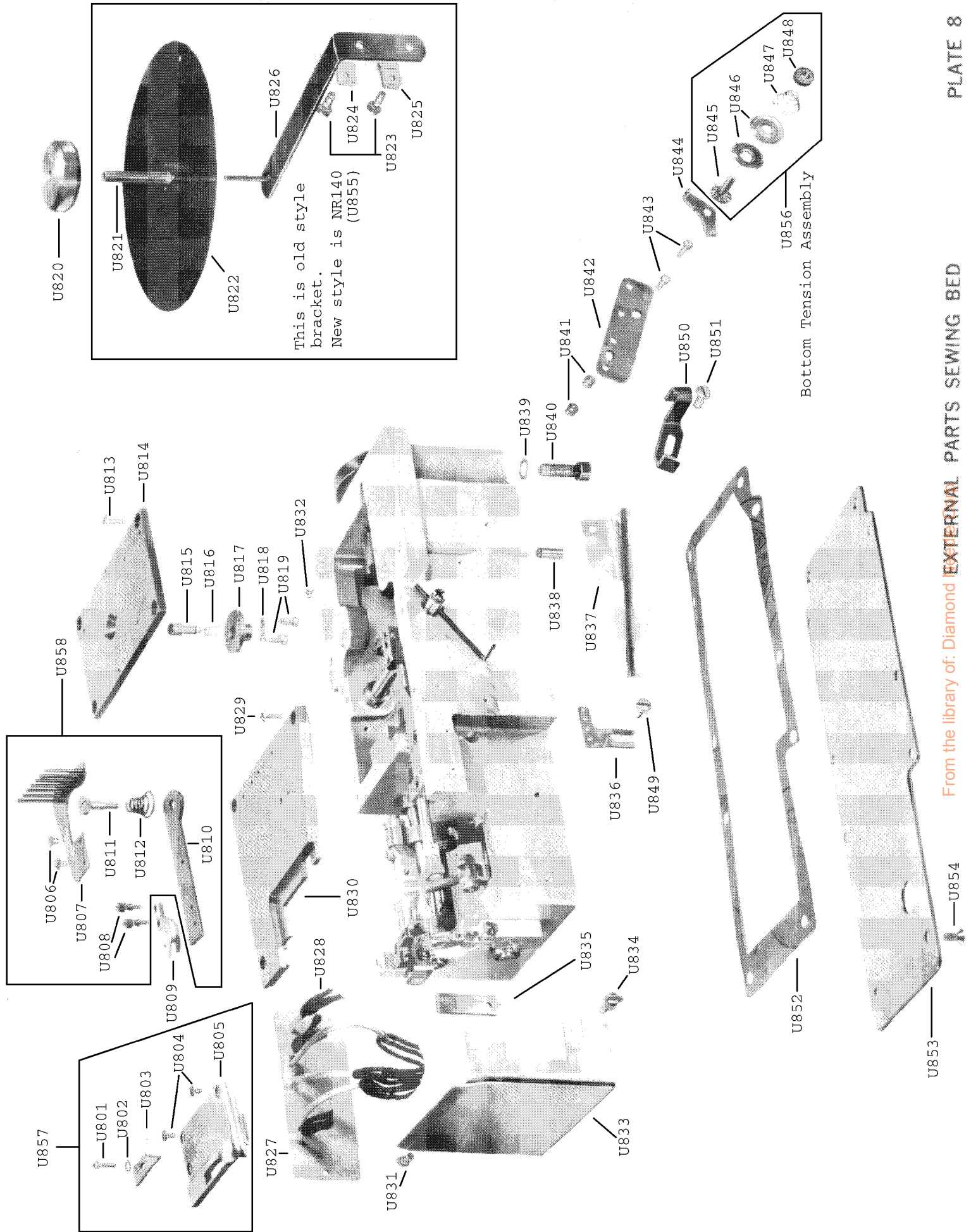
KEY.	PART NO.		DESCRIPTION.	KEY.	PART NO.		DESCRIPTION.
	300-U	300-W			300-U	300-W	
U701	NR-405 J	SAME	SHAFT	U721	S414511	S200061	SET SCREW
U702	NR-408	SAME	HEAD SHEAVE (GROOVED PULLEY)	U722	S414549	S201418 C	SCREW
U703	7221	SAME	SCREW	U723	S268074	SAME	FEED DRIVING CONNECTION
U704	S268265	SAME	BED SHAFT OIL CONTROL ROD (WOOD)	U724	S415072	SAME	ECCENTRIC
U705	S268044	SAME	ARM SHAFT OIL STOP BALL SPRING	U725	S268064	SAME	LIFTING ECCENTRIC
U706	1054	SAME	ARM SHAFT OIL STOP BALL	U726	S414555	S350467	SCREW
U707	S414578	SAME	BALL SCREW	U727	S415073	SAME	DRIVING FLANGE
U708	S415329	SAME	ASSEMBLY CRANK	U728	S241763	SAME	BRASS PACKING
U709	S500264	S200362	SCREW	U729	S414557	S350477	SET SCREW
U710	S415176	SAME	LOOPER DRIVING CRANK	U730	S268065	SAME	ADJUSTING FLANGE
U711	S414536	S200573	SCREW	U731	S268066	SAME	ADJUSTING FLANGE SPRING
U712	S374099	S200344	SCREW	U732	S544325	S200382	SCREW
U713	S268102	SAME	OIL HOLE COVER	U733	S241763	SAME	BRASS PACKING
U714	S204925	SAME	WASHER	U734	S414557	S3504771	SET SCREW
U715	S414563	S200303	OIL HOLE COVER SCREW	U735	S267623	SAME	GIB
U716	S544208-005	S200394	SET SCREW	U736	S374098	S350548	SCREW
U717	S415210	SAME	FEED LIFTING ECCENTRIC	U737	S412011	SAME	SPRING COLLAR
U718	S541197	S201522	NUT	U738	S414511	S200061	SET SCREW
U719	S415092	S415373	HINGE STUD	U739	S415213	SAME	ROCK SHAFT CRANK
U720	S415206	SAME	CRANK	U740	S415092	S415373	HINGE STUD





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PLATE 8  
EXTERNAL PARTS SEWING BED  
(see over)



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**PLATE 8**

KEY.	PART NO.		DESCRIPTION.	KEY.	PART NO.		DESCRIPTION.
	300-U	300-W			300-U	300-W	
U801	6645	SAME	SCREW	U821	NR-156	NR-156	EXTENSION (OLD STYLE)
U802	107	SAME	WASHER	U822	NR-834	NR-834	TAPE REEL DISC (OLD STYLE)
U803	NR-485	SAME	BINDER SWING PLATE STOP	U823	467	467	SCREW (OLD SYLE)
U804	NR-501	SAME	SCREW	U824	7508	7508	CLIP (OLD STYLE)
U805	NR-424	SAME	THROAT PLATE	U825	1311	1311	CLIP (OLD STYLE)
U806	7234	SAME	SCREW	U826	N-741	N-741	TAPE REEL BRACKET (OLD STYLE)
U807	NR-177	SAME	GUIDE	U827	NR-409 J	NR-409	OILER PLATE
U808	S200507	SAME	SCREW	U828		NR-431	OIL WICK ASSEMBLY
U809	S259552	SAME	BINDER (SEE NEXT PAGE)	U829	NR-499	SAME	COVER SCREW
U810	NR-496	SAME	SWING PLATE ONLY	U830	NR-402	SAME	THREAD GUIDE
U811	NR-417	SAME	BINDER PIVOT STUD	U831	NR-499	SAME	COVER SCREW
U812	S167229	SAME	SPRING	U832	NR-430	SAME	THREAD GUIDE
U813	NR-499	SAME	COVER SCREW	U833	NR-414	SAME	SIDE COVER
U814	NR-407	SAME	BED PLATE (RIGHT)	U834	1655	SAME	THUMB SCREW
U815	S268081	SAME	FEED REGULATING STUD	U835	NR-441	SAME	SIDE COVER SPACER
U816	S270026	SAME	FEED REGULATING STUD SOCKET	U836	S268373	SAME	THREAD GUIDE
U817	S268082	SAME	FEED REGULATING STUD SOCKET	U837	NR-415	SAME	THREAD GUARD
U818	S240245	SAME	COTTER PIN	U838	7199	SAME	DOWEL PIN
U819	760	SAME	MACHINE SCREW	U839	S543804-007	SAME	WASHER
U820	NR-100	SAME	TAPE WEIGHT	U840	S415361	S2000064	SCREW

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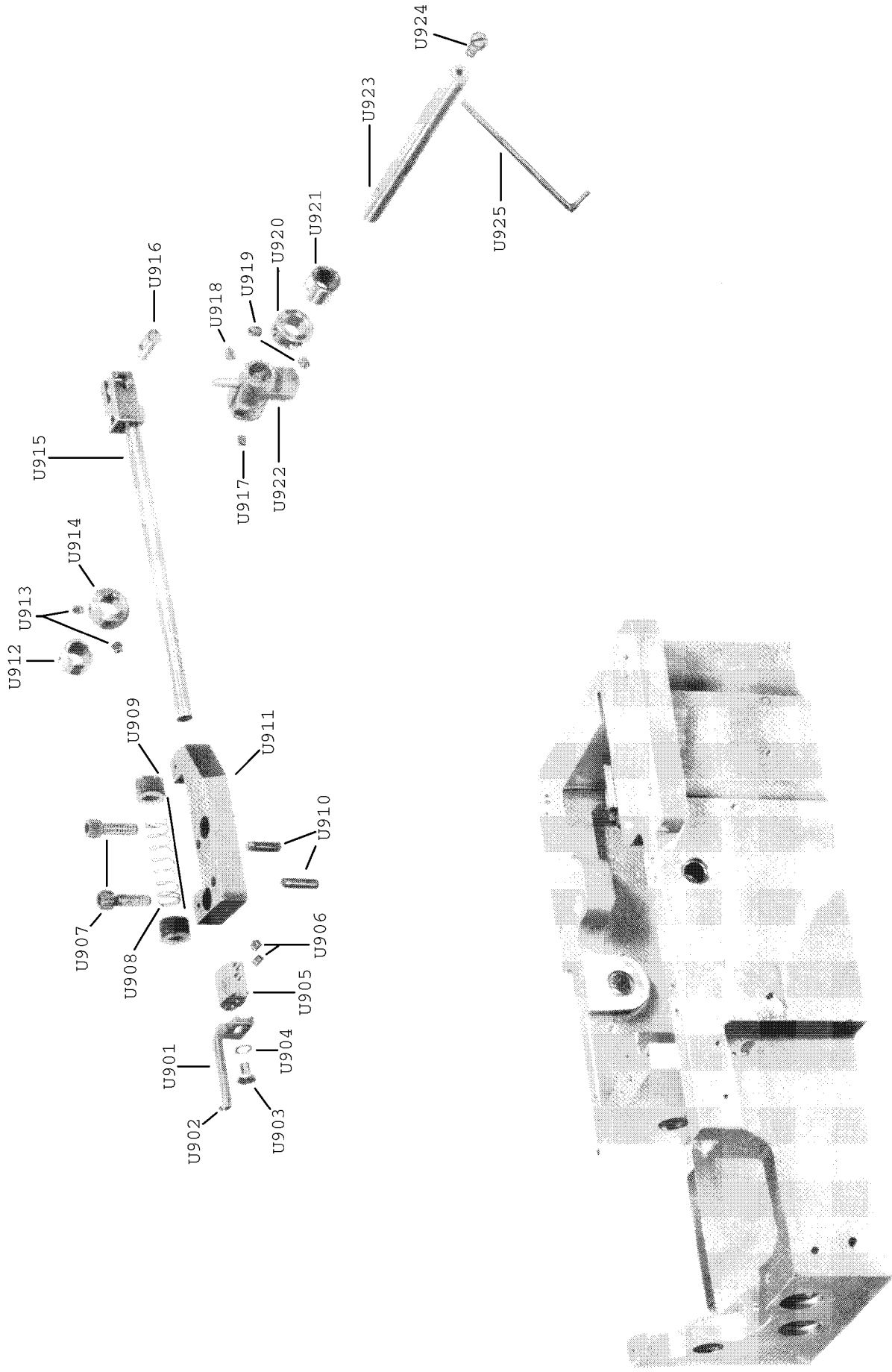
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**PLATE**

KEY.	PART NO.		DESCRIPTION.	KEY.	PART NO.		DESCRIPTION.
	300-U	300-W			300-U	300-W	
U841	S268121	SAME	THREAD TENSION SPRING COLLAR	U855	NR-140	SAME	TAPE REEL BRACKET ASSEMBLY
U842	S415255	S268331	PLATE	U856	S415294	S268332	TENSION ASSEMBLY
U843	416	SAME	SCREW	U857	NR-488	SAME	THROAT PLATE ASSEMBLY
U844	S268333	SAME	FRAME GUIDE	U858	NR-850	SAME	SWING PLATE ASSEMBLY
U845	S141432	SAME	SCREW	U859	1004	SAME	COLLAR
U846	S244048	SAME	FLANGE DISC	U860	6532	SAME	THUMB SCREW
U847	S10148	SAME	SPRING	U861	NR-144	SAME	TAPE REEL BRACKET (NR-144-01 FOR V.S.)
U848	S541452	S201572	NUT	U862	1004	SAME	COLLAR
U849	2306	SAME	SCREW	U863	6532	SAME	THUMB SCREW
U850	S268051	SAME	LOOPER THREAD GUIDE	U864	NR-143	SAME	TAPE REEL DISC (NEW STYLE)
U851	2306	SAME	SCREW	U865	NR-100	SAME	TAPE WEIGHT
U852	NR-416	SAME	GASKET	U866	6519	SAME	BOLT
U853	NR-410	SAME	COVER PLATE	U867	102	SAME	LOCKWASHER
U854	446	SAME	SCREW	THE FOLLOWING BINDERS USE NR-850 SWINGPLATES			
THE FOLLOWING BINDERS USE NR-465A JUMBO SWING PLATE							
	NR-520	1" , 25MM			S2595520-040	5/8" , 16MM	BINDER
	NR-511	1-1/8" , 29MM			S259552-11/16	11/16" , 17MM	BINDER
	NR-514	1-1/4" , 32MM			S259552-3/4	3/4" , 19MM	BINDER
	NR-450 A	1-1/2" , 40MM			S259552-056	7/8" , 22MM	BINDER

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PLATE 9  
CROSS SHAFT IN SEWING BED  
(see over)





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**PLATE**

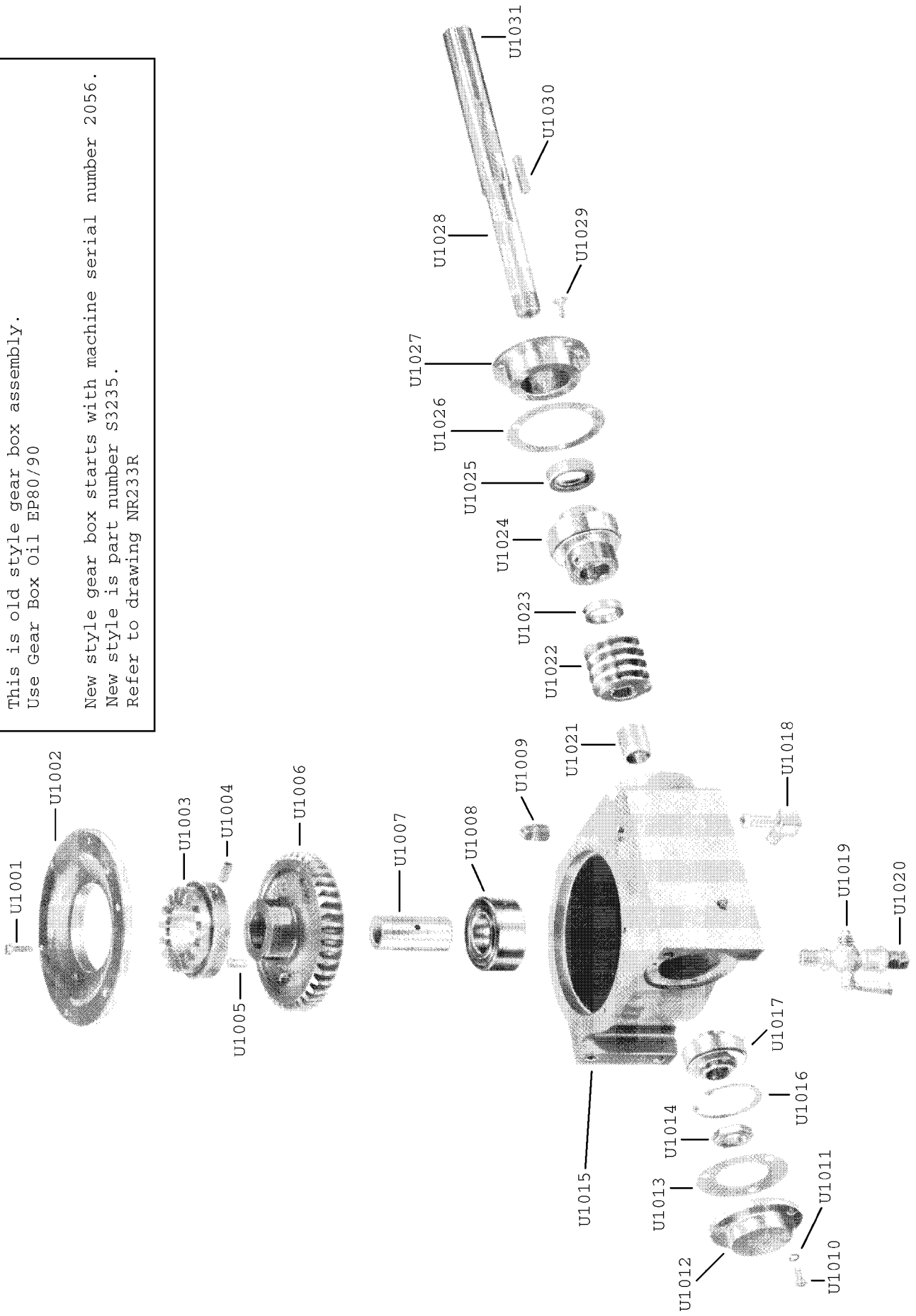
KEY.	PART NO.		DESCRIPTION.	KEY.	PART NO.		DESCRIPTION.
	300-U	300-W			300-U	300-W	
U901	NR-469	SAME	SPREADER	U921	S268071	SAME	BEARING
U902	S268162	SAME	SPREADER POINT	U922	S415194	S267967	SPREADER DRIVING CRANK
U903	S414552	S350149	SCREW	U923	S415389	SAME	ROCK SHAFT
U904	S547670	SAME	WASHER	U924	S504019	S2000064	SCREW
U905	S415196	SAME	SPREADER BAR HOLDER	U925	S268052	SAME	LOOPER THREAD TAKE-UP ROD
U906	S414529	S200380	SCREW				
U907	6205	SAME	SCREW				
U908	NR-446	SAME	SPRING				
U909	NR-445	SAME	FELT WASHER / OILER				
U910	6731	SAME	DOWEL				
U911	NR-444	SAME	BEARING - SPREADER BAR				
U912	S268071	SAME	BEARING				
U913	6526	SAME	SCREW				
U914	NR-429	SAME	COLLAR				
U915	NR-420	SAME	SPREADER BAR				
U916	S268190	SAME	SPREADER DRIVING PIN				
U917	S544204-001	S200364	SET SCREW				
U918	S544204-001	S200403	SET SCREW				
U919	6526	SAME	SCREW				
U920	NR-429	SAME	COLLAR				

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PLATE 10  
CROSS SHAFT IN SEWING BED  
(see over)

This is old style gear box assembly.  
Use Gear Box Oil EP80/90

New style gear box starts with machine serial number 2056.  
New style is part number S3235.  
Refer to drawing NR233R



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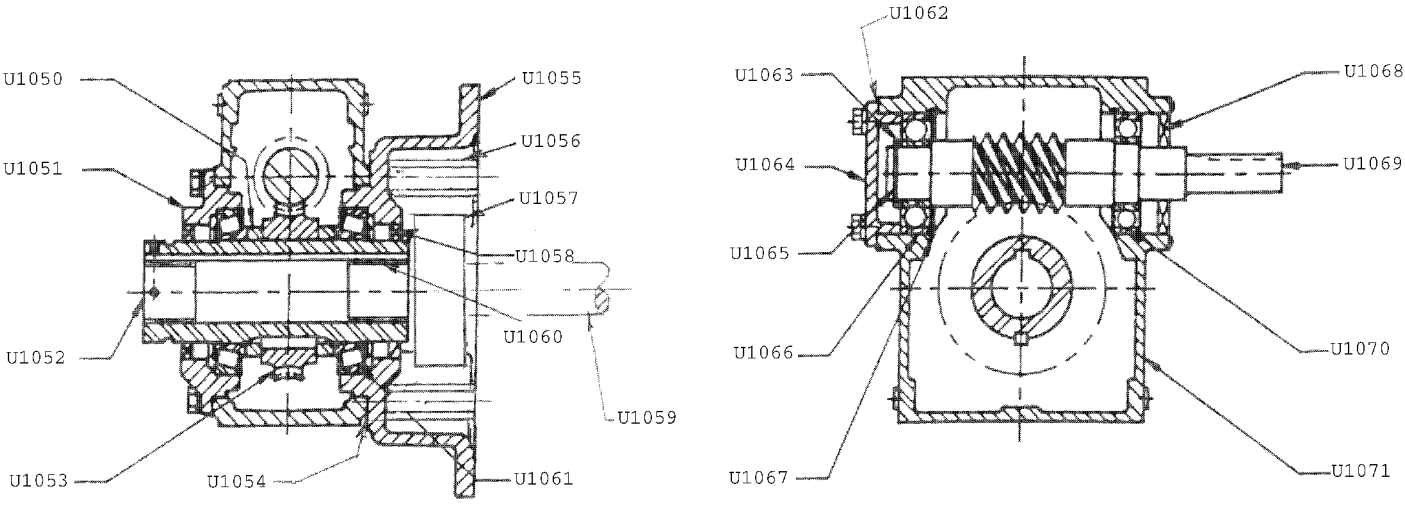
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KEY.	PART NO.	DESCRIPTION.	KEY.	PART NO.	DESCRIPTION.
U1001	751	SCREW	U1021	NR-181	SLEEVE (USE NR-165 PRIOR TO SER. NO. 1967)
U1002	NR-18	GEAR BOX COVER PLATE	U1022	NR-9	WORM DRIVE SHAFT
U1003	NR-5	CLUTCH RING	U1023	NR-180	SLEEVE (USE NR-166 PRIOR TO SER. NO. 1967)
U1004	7220	SCREW	U1024	S3143	BEARING
U1005	16561	KEY	U1025	2989	OIL SEAL
U1006	NR-24	WORM GEAR	U1026	NR-183	SHIM
U1007	NR-23	WORM GEAR BUSHING	U1027	NR-182	GEARBOX COVER
U1008	S2692	BEARING	U1028	NR-4	VERTICAL DRIVE SHAFT
U1009	NR-75	PIPE PLUG - VENTED	U1029	525	SCREW
U1010	138	SCREW	U1030	NR-125	KEY
U1011	648	LOCKWASHER	U1031	14462	KEY (NOT SHOWN)
U1012	NR-70	END CAP			
U1013	NR-71	GASKET			
U1014	5997	JAM NUT			
U1015	NR-3	GEAR BOX HOUSING			
U1016	1542	RETAINING RING			
U1017	3177	BEARING			
U1018	1318	OIL GUAGE			
U1019	7032	OIL PLUG			
U1020	7032	OIL PLUG (REPLACES 428)			

UNITED MATTRESS MACHINERY

PLATE 10A  
CROSS SHAFT IN SEWING BED  
(see over)

This is new style gear box assembly.  
 New style gear box starts with machine serial number 2056.  
 Order part number NR233 for complete assembly  
 Refer to Plate 10 for old style gear box.



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NEW STYLE GEAR BOX ASSEMBLY

PLATE 10A

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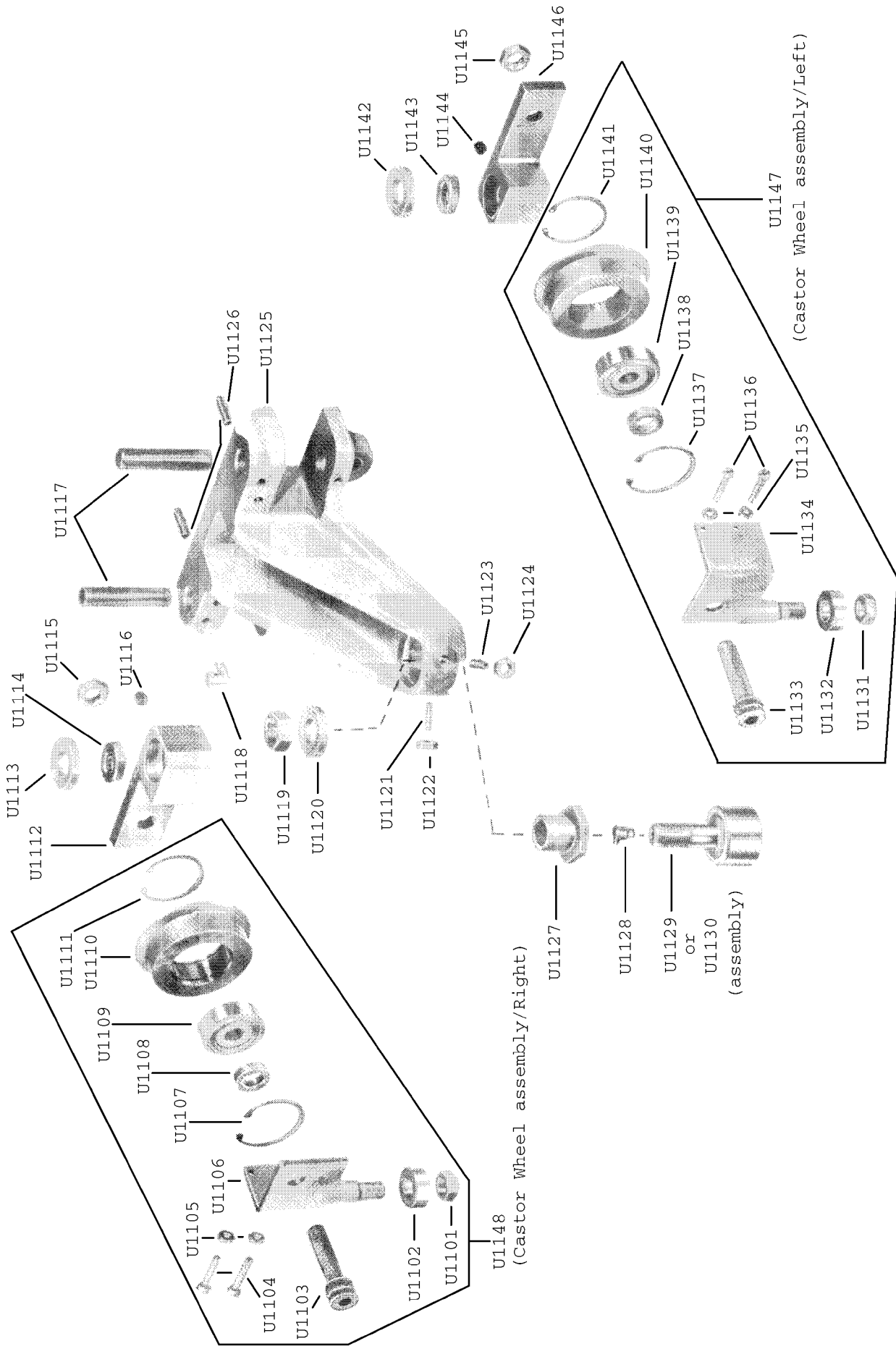
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KEY.	PART NO.	DESCRIPTION.	KEY.	PART NO.	DESCRIPTION.
U1050	S3797	GEAR SPACER	U1070	S3800	BEARING
U1051	S3792	COVER	U1071	S3791	HOUSING
U1052	S3794	DRIVEN SHAFT		* ORDER PART NO. NR-233 FOR COMPLETE *	
U1053	S3796	WORM GEAR		GEARBOX ASSEMBLY	
U1054	S3549	SHIM / GASKET SET			
U1055	NR-219	FLANGE			
U1056	NR-218	MOUNTING BRACKET POST			
U1057	NR-215	CLUTCH RING			
U1058	S3795	SEAL			
U1059	NR-114	SHAFT			
U1060	6353	BUSHING			
U1061	S3798	BEARING			
U1062	S3549	SHIM / GASKET SET			
U1063	S3803	WORM SPACER			
U1064	S3793	BEARING CAP			
U1065	S3804	WORM RETAINING RING			
U1066	S3801	BEARING			
U1067	S3802	RETAINING RING			
U1068	S3805	OIL SEAL			
U1069	S3799	WORM SHAFT			

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PLATE 11  
CROSS SHAFT IN SEWING BED  
(see over)





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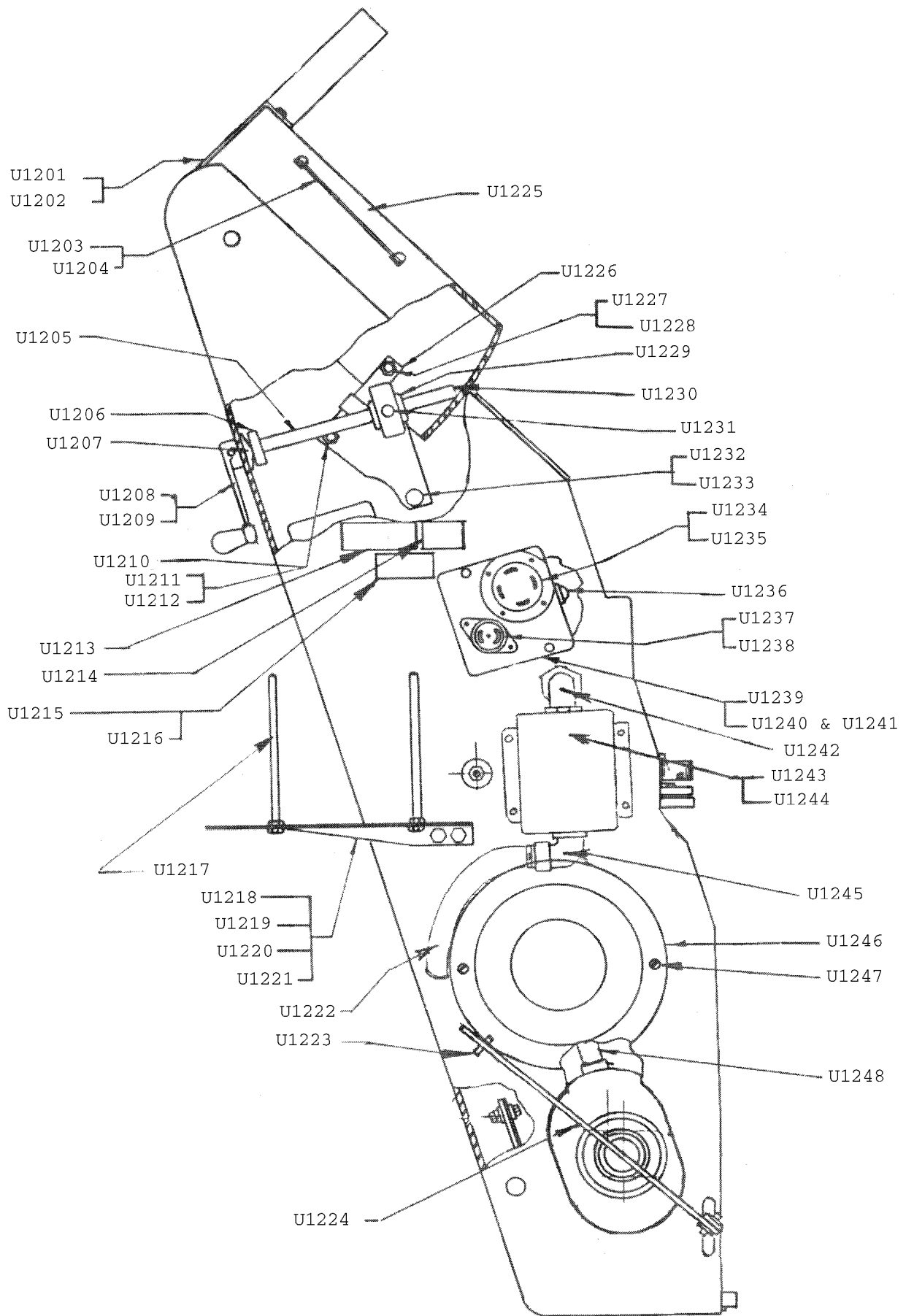
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KEY.	PART NO.	DESCRIPTION.	KEY.	PART NO.	DESCRIPTION.
U1101	6287	JAM NUT	U1121	7100	SET SCREW
U1102	7485	BEARING	U1122	6139	NUT
U1103	1911	SCREW	U1123	7100	SET SCREW
U1104	199	SCREW	U1124	6139	NUT
U1105	6360	NUT	U1125	NR-27	CENTER PIVOT BRACKET
U1106	NR-66	BRACKET - RIGHT GUIDE ROLLER	U1126	7177	ROLL PIN
U1107	1542	RETAINING RING	U1127	NR-32	SLEEVE
U1108	NR-68	SPACER	U1128	7283	OILER
U1109	2036	BEARING	U1129	S3178	CAM FOLLOWER (BEFORE SER. NO. 1666 USE 8668)
U1110	NR-65	ROLLER	U1130	NR-30	CAM FOLLOWER (INCL. S3178,7283, NR-32, NR-33,24)
U1111	1542	RETAINING RING	U1131	6287	JAM NUT
U1112	NR-848	CASTER ARM - RIGHT	U1132	7485	BEARING
U1113	S3655	HARDENED WASHER	U1133	1911	SCREW
U1114	1854	BEARING	U1134	NR-67	BRACKET - LEFT GUIDE ROLLER
U1115	6287	JAM NUT	U1135	6360	NUT
U1116	7172	SET SCREW	U1136	199	SCREW
U1117	NR-157	HINGE PIN	U1137	1542	RETAINING RING
U1118	1367	OIL CUP	U1138	NR-68	SPACER
U1119	24	HEX NUT	U1139	2036	BEARING
U1120	NR-33	WASHER	U1140	NR-65	ROLLER



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PLATE 12  
MAIN DRIVE ASSEMBLY  
(see over)



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**PLATE**

KEY.	MACHINE NO. 2123 AND AFTER	MACHINE NO. 2122 AND BEFORE	DESCRIPTION.
U1201	NR-109	SAME	COVER - HEAD DRIVE PULLEY
U1202	494	SAME	MACHINE SCREW
U1203	NR-484	SAME	THREAD GUIDE
U1204	66	SAME	ROUND HEAD SCREW
U1205	NR-38 A	SAME	HEAD TILT SCREW SHAFT
U1206	D-6	SAME	THRUST BEARING
U1207	NR-45	SAME	HEAD TILT PAD
U1208	NR-42 A	SAME	CRANK
U1209	7368	SAME	SET SCREW
U1210	NR-40	SAME	HEAD TILT ARM
U1211	1637	SAME	SOCKET CAP SCREW
U1212	5887	SAME	JAM NUT
U1213	NR-803	SAME	NAMEPLATE (SERIAL NUMBER)
U1214	NR-804	SAME	VOLTAGE PLATE
U1215	BM-187	SAME	CAUTION PLATE
U1216	5763	SAME	DRIVE PIN
U1217	BM-430	SAME	THREAD SPOOL HOLDER ROD
U1218	NR-106	SAME	THREAD SPOOL HOLDER BRACKET
U1219	177	SAME	SCREW
U1220	102	SAME	LOCK WASHER
U1221	174	SAME	NUT
U1222	NR-245	SEE RIGHT	WIRING HARNESS ( NOT USED PRIOR TO SER. NO. 2095)
U1223	7253	SEE RIGHT	ROLL PIN *USE THE FOLLOWING PRIOR TO SER. NO.#880 *
U1224	NR-171	SEE RIGHT	CLUTCH ARM * #229 SCREW, #5887 NUT, NR-53 CLUTCH ARM *
U1225	NR-34	SAME	SEWING HEAD TILT BASE
U1226	NR-41	SAME	TILT LINK
U1227	1638	SAME	SCREW
U1228	5887	SAME	JAM NUT
U1229	NR-39 A	SEE RIGHT	TILT NUT * USE NR-39 ON MACH. PRIOR TO SER. NO. 444 *
U1230	129	SEE RIGHT	COTTER PIN * USE #172 SCREW ON MACH. PRIOR TO SER.NO. 444

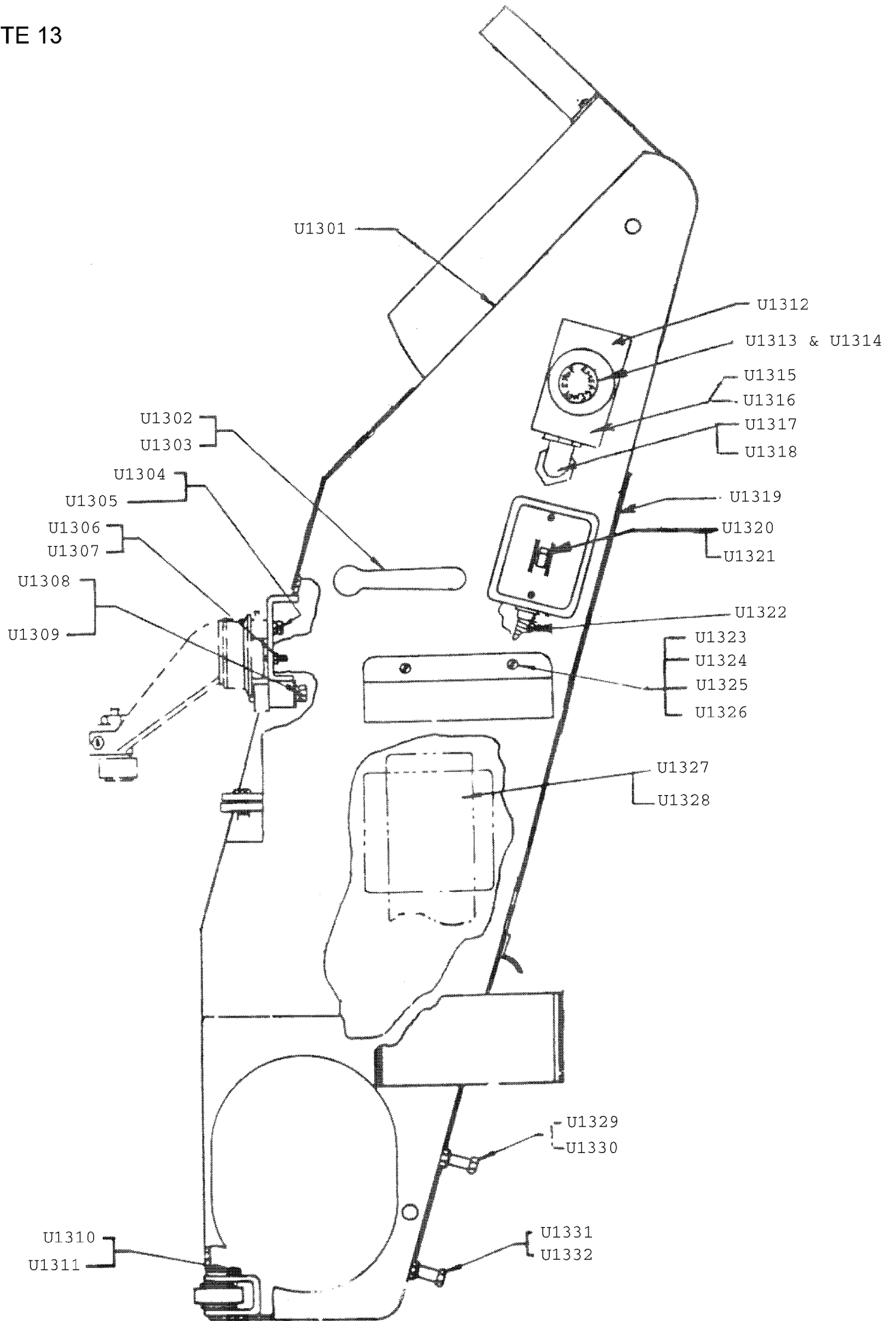
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PLATE 13  
MAIN DRIVE ASSEMBLY  
(see over)





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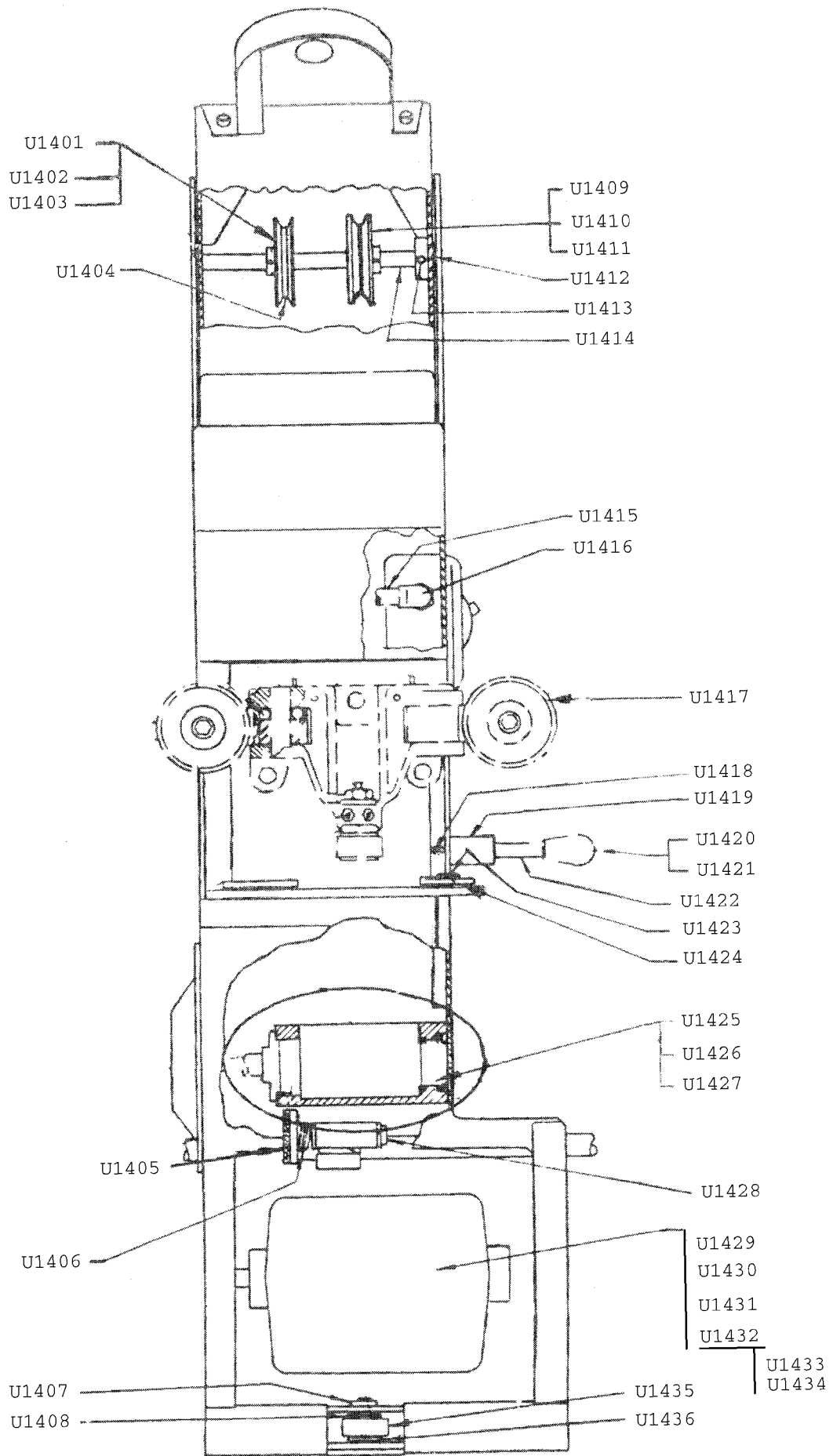
**PLATE 13**

KEY.	MACHINE NO. 2123 AND AFTER	MACHINE NO. 2122 AND BEFORE	DESCRIPTION.
U1301	NR-202	NR-1	MAIN FRAME
U1302	N-691	SAME	CLUTCH RELEASE HANDLE
U1303	7106	SAME	ROLL PIN
U1304	267	SAME	SCREW
U1305	181	SAME	AERO WASHER
U1306	2625	1638	SCREW
U1307	100	5887	JAM NUT
U1308	283	SAME	BOLT
U1309	181	SAME	AERO WASHER
U1310	1633	SAME	SCREW
U1311	1632	SAME	AERO WASHER
U1312	S3234	SEE RIGHT	COVER
U1313	S3202	SEE RIGHT	STOP BUTTON * NOT USED ON MACH. PRIOR TO SER.NO. 2059*
U1314	S3203	SEE RIGHT	STOP OPERATOR * NOT USED ON MACH. PRIOR TO SER.NO. 2059*
U1315	S3233	SEE RIGHT	BOX * NOT USED ON MACH. PRIOR TO SER.NO.
U1316	S3204	SEE RIGHT	CONTACT BLOCK * NOT USED ON MACH. PRIOR TO SER.NO. 2059*
U1317	S3085	SAME	SEALTITE
U1318	NR-244	SEE RIGHT	HARNESS * NOT USED ON MACH. PRIOR TO SER.NO. 2059*
U1319	NR-108	SAME	REAR COVER
U1320	1921 A	SAME	SWITCH
U1321	S2851	SAME	ENCLOSURE
U1322	NR-246	SAME	HARNESS
U1323	NR-99	SAME	TOOL TRAY
U1324	500	SAME	SCREW
U1325	815	SAME	LOCKWASHER
U1326	6360	SAME	NUT
U1327	NR-147	SAME	TRANSFORMER
U1328	NR-243	SEE RIGHT	HARNESS * NOT USED ON MACH. PRIOR TO SER.NO. 2059*
U1329	6748	SAME	SCREW
U1330	5988	SAME	JAM NUT
U1331	3100	SAME	SCREW
U1332	5988	SAME	JAM NUT

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PLATE 14  
MAIN DRIVE ASSEMBLY



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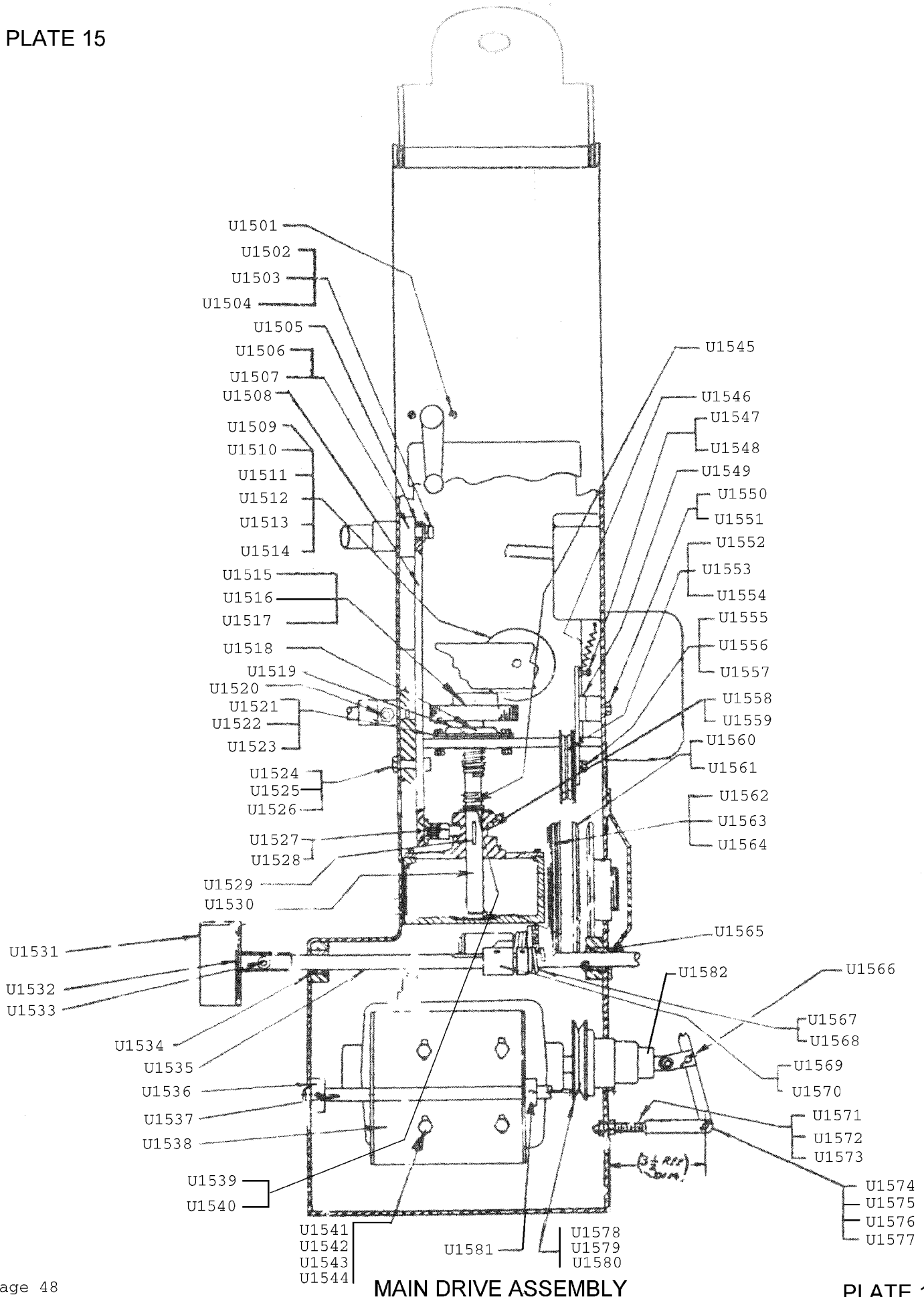
**PLATE 14**

KEY.	MACHINE NO. 2123 AND AFTER	MACHINE NO. 2122 AND BEFORE	DESCRIPTION.
U1401	NR-333 A	SEE RIGHT	SHEAVE (USE NR-110 ON MACHINES PRIOR TO SER. NO. 1085)
U1402	S3186	SAME	BEARING
U1403	1542	SAME	RETAINING RING
U1404	NR-15	SAME	BELT - SEWING HEAD (97" BELT-S3790, 108" BELT-S3901)
U1405	NR-374	SAME	BRAKE ROD ASSEMBLY
U1406	NR-51	SAME	BRAKE DISC SPRING
U1407	NR-88	SAME	LOWER ROLLER STUD
U1408	234	SAME	AERO WASHER
U1409	NR-375 A	SEE RIGHT	SHEAVE ( USE NR-110 ON MACHINES PRIOR TO SER. NO. 1085 )
U1410	S3186	SAME	BEARING
U1411	1542	SAME	RETAINING RING
U1412	181	SAME	WASHER
U1413	6018	SAME	SCREW
U1414	NR-35	SAME	TILT BASE PIVOT SHAFT
U1415	NR-246	SEE RIGHT	WIRE HARNESS ( NOT USED PRIOR TO SER. NO. 2095 )
U1416	S3085	7024	SEALTITE
U1417	NR-870	SAME	FROG ASSEMBLY
U1418	7172	SAME	SCREW
U1419	NR-172	SAME	COLLAR
U1420	1994	SAME	OVAL KNOB
U1421	6678	SAME	WASHER
U1422	NR-95	SAME	GEAR LOCK PIN
U1423	NR-187	SEE RIGHT	STUD ( NR-61 USED PRIOR TO SER. NO. 2057 )
U1424	NR-60	SAME	ROLLER
U1425	NR-233	SEE RIGHT	GEAR BOX ASSY. * SEE PLATE 10 FOR GEAR BOX PRIOR TO *
U1426	S3239	SEE RIGHT	GEAR BOX OIL MACHINE SERIAL NO. 2056
U1427	S3549	SEE RIGHT	SHIM SET
U1428	6348	SAME	RETAINING RING
U1429	NR-120-1	SAME	MOTOR ( 220 / 440 VOLT-3 PHASE-50/60 CYCLE )
U1430	NR-120-2	SAME	MOTOR ( 220 / 440 VOLT-3 PHASE-50/60 CYCLE-HIGH ALTITUDE )
U1431	NR-120-3	SAME	MOTOR ( 575 VOLT-3 PHASE-60 CYCLE )
U1432	S3285	SAME	MOTOR (110 / 220 VOLT-1 PHASE-60 CYCLE-1 H.P. )
U1433	NR-251-00	SAME	ELECTRIC BOX ( 110 MOTORS ONLY )
U1434	NR-251-01	SAME	COVER ( 110 MOTORS ONLY )
U1435	NR-89	SAME	ROLLER
U1436	234	SAME	WASHER

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PLATE 15  
MAIN DRIVE ASSEMBLY



MAIN DRIVE ASSEMBLY

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**PLATE 15**

KEY.	MACHINE NO. 2123 AND AFTER	MACHINE NO. 2122 AND BEFORE	DESCRIPTION.
U1501	1711	SAME	SCREW
U1502	6753	SAME	SCREW
U1503	1643	SAME	STAR WASHER
U1504	117	SAME	WASHER
U1505	NR-97	SAME	SLEEVE
U1506	NR-222	SEE RIGHT	SHAFT ( USE NR-96 A PRIOR TO MACHINE SER. NO. 2056 )
U1507	7250	SEE RIGHT	ROLL PIN ( # 6645 SCREW, 6735 NUT USED PRIOR TO SER. NO. 2056 )
U1508	NR-225	SEE RIGHT	ARM ( USE NR-90 PRIOR TO MACHINE SER. NO. 2056 )
U1509	6067	SAME	CHECK NUT
U1510	NR-333 A	SEE RIGHT	SHEAVE ( USE NR-110 PRIOR TO MACHINE SER. NO. 1085 )
U1511	2036	SAME	BEARING
U1512	1542	SAME	RETAINING RING
U1513	1640	SAME	SCREW
U1514	181	SAME	WASHER
U1515	NR-113-00	SEE RIGHT	DRIVE GEAR ( REPLACES NR-86 )
U1516	14254	DBM-338	KEY
U1517	7233	SAME	SCREW
U1518	1153	SAME	BEARING
U1519	NR-59	SAME	FLANGETTE STAMPING
U1520	5108	SEE RIGHT	PLUNGER ( NR-93 & 94 USED PRIOR TO SER. NO. 885 )
U1521	6889	SAME	SCREW
U1522	102	SAME	LOCK WASHER
U1523	115	SAME	NUT
U1524	NR-231	SEE RIGHT	CLUTCH SLEEVE ( NOT USED PRIOR TO SER. NO. 2056 )
U1525	6375	SEE RIGHT	WASHER * USE NR-112 SCREW, 5887 NUT ON MACHINES *
U1526	S3491	SEE RIGHT	SCREW PRIOR TO SER. NO. 2056
U1527	NR-224	SEE RIGHT	CLUTCH ACTIVATOR ( NR-91 USED PRIOR TO SER. NO. 2056 )
U1528	2623	SEE RIGHT	SCREW ( 6034 SCREW USED PRIOR TO SER. NO. 2056 )
U1529	NR-941	SEE RIGHT	KEY ( NR125 USED PRIOR TO SER. NO. 2056 )
U1530	NR-114	SEE RIGHT	SHAFT ( NR-22 USED PRIOR TO SER. NO. 2056 )

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**PLATE 15**

KEY.	MACHINE NO. 2123 AND AFTER	MACHINE NO. 2122 AND BEFORE	DESCRIPTION.
U1531	NR-104	SAME	KNEE PAD
U1532	NR-102	SAME	KNEE PAD PLATE
U1533	356	SAME	SCREW
U1534	1634	SAME	BUSHING
U1535	NR-170	SEE RIGHT	KNEE SHAFT ( NR-48 USED PRIOR TO SER. NO. 832 )
U1536	1635	SAME	COLLAR
U1537	NR-101	SAME	MOTOR PIVOT SHAFT
U1538	NR-98	SAME	MOTOR MOUNTING PLATE
U1539	S3867	N / A	THRUST BEARING
U1540	S3868	N / A	TRUST WASHER ( 2 PER MACHINE )
U1541	110	SAME	SCREW
U1542	116	SAME	LOCK WASHER
U1543	6171	SAME	FLAT WASHER
U1544	282	SAME	NUT
U1545	S3193	SEE RIGHT	SPRING ( NR-25 USED PRIOR TO SER. NO. 2056 )
U1546	NR-47	SAME	BELT TENSIONER SPRING
U1547	771	SAME	SCREW
U1548	6360	SAME	NUT
U1549	NR-46	SAME	BELT TENSIONER ARM
U1550	1640	SAME	SCREW
U1551	109	SAME	NUT
U1552	NR-333 A	SEE RIGHT	SHEAVE ( NR-110 USED PRIOR TO SER. NO. 1085 )
U1553	2036	SAME	BEARING
U1554	1542	SAME	RETAINING RING
U1555	1640	SAME	SCREW
U1556	120	SAME	LOCK WASHER
U1557	109	SAME	NUT
U1558	NR-214	SEE RIGHT	MALE CLUTCH ( NR-9 USED PRIOR TO SER. NO. 2056 )
U1559	NR-215	SEE RIGHT	FEMALE CLUTCH RING ( NR-5 USED PRIOR TO SER. NO. 2056 )
U1560	NR-236	SEE RIGHT	SHEAVE ( NR-903 USED PRIOR TO SER. NO. 2056 )

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**PLATE 15**

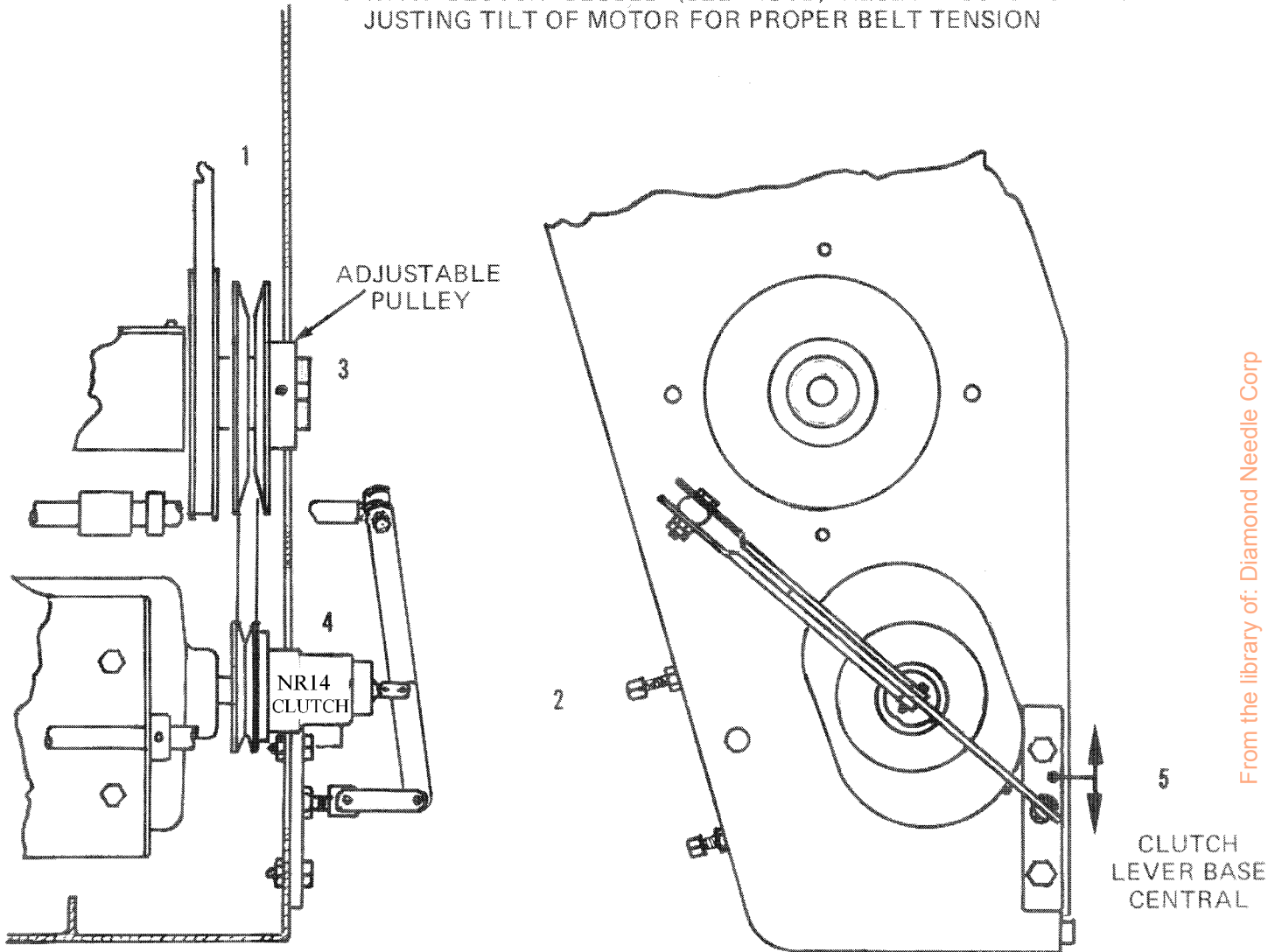
KEY.	MACHINE NO. 2123 AND AFTER	MACHINE NO. 2122 AND BEFORE	DESCRIPTION.
U1561	6526	SEE RIGHT	SCREW ( 6531 USED PRIOR TO SER. NO 2056 )
U1562	NR-211	SEE RIGHT	SHEAVE ( NR-12 USED PRIOR TO SER. NO 2056 )
U1563	2623	SEE RIGHT	SCREW ( NOT USED PRIOR TO SER. NO 2056 )
U1564	BM-257	SEE RIGHT	KEY ( 14462 USED PRIOR TO SER. NO 2056 )
U1565	1634	SAME	BUSHING
U1566	105	SAME	WASHER
U1567	NR-58	SAME	KNEE CONTROL SPRING
U1568	1635	SAME	COLLAR
U1569	NR-49	SAME	BRAKE ARM BRACKET
U1570	6531	SAME	SCREW
U1571	NR-173	SEE RIGHT	ADJUSTING ROD (NR-54 , NR-55 USED PRIOR TO SER.NO 921 )
U1572	109	SEE RIGHT	NUT ( NOT USED PRIOR TO SER.NO 921 )
U1573	813	SEE RIGHT	FLAT WASHER ( NOT USED PRIOR TO SER.NO 921 )
U1574	69065	SEE RIGHT	CLEVIS AND PIN (NOT USED PRIOR TO SER.NO 921 )
U1575	1099	SEE RIGHT	PIN ( NOT USED PRIOR TO SER.NO 921 )
U1576	129	SEE RIGHT	COTTER PIN ( NOT USED PRIOR TO SER.NO 921 )
U1577	119	SEE RIGHT	AERO WASHER ( NOT USED PRIOR TO SER.NO 921 )
U1578	NR-14	SAME	V-BELT CLUTCH
U1579	8493	SAME	V-BELT
U1580	14254	SAME	KEY
U1581	1635	SAME	COLLAR
U1582	NR14E60XY	SAME	REPLACEMENT BEARING ASSEMBLY FOR THE NR-14 CLUTCH

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UNITED MATTRESS MACHINERY

PLATE 16  
MACHINE SPEED ADJUSTMENT

- 1 SLIP HEAD DRIVE BELT FROM PULLEY
- 2 RELEASE UPPER MOTOR ADJUSTING SCREW 1/2" APPROX.
- 3 TO CHANGE MACHINE TRAVEL SPEED – RELEASE SET SCREW IN HUB & OPEN (FASTER) OR CLOSE (SLOWER) TO DESIRED POSITION—RESET SCREW ON FLAT
- 4 WITH CLUTCH CLOSED (SEE NOTE) RESET 2 SCREWS READJUSTING TILT OF MOTOR FOR PROPER BELT TENSION



NOTE  
CLUTCH PULLEY IS COMPLETELY CLOSED  
WHEN ADJUSTING MOTOR SCREWS FOR  
BELT TENSION  
ROTATE CLUTCH BY HAND & PUSH TOWARD  
MOTOR TO CLOSE CLUTCH TO OPERATING  
POSITION

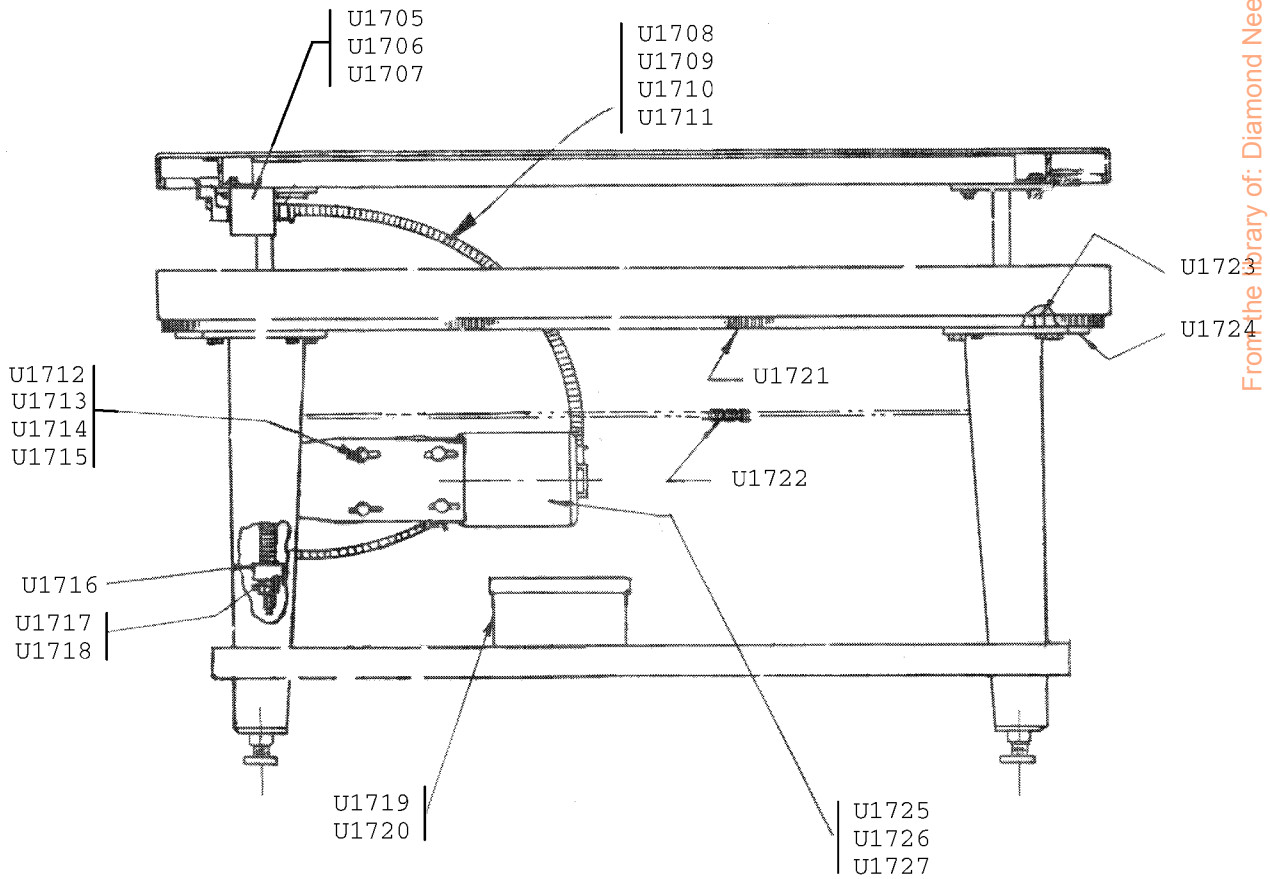
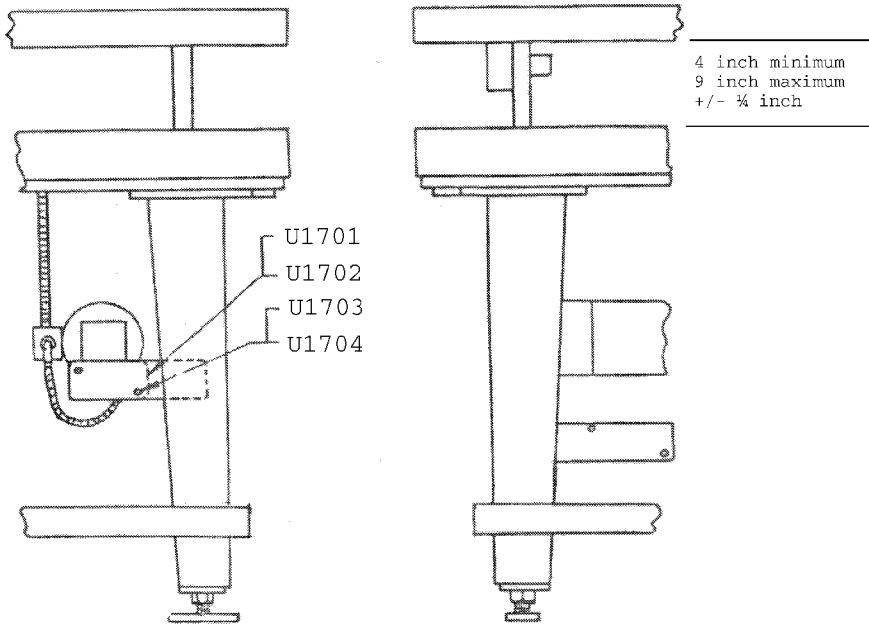
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PLATE 17

TABLE

(see over)



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Fax: (781) 331-8870

E-mail: mathcorp1@aol.com

**PLATE 17**

KEY.	MACHINE NO. 2123 AND AFTER	MACHINE NO. 2122 AND BEFORE	DESCRIPTION.
U1701	S3220	SAME	LEVER
U1702	S3219	SAME	LIMIT SWITCH
U1703	101	SAME	SCREW
U1704	102	SAME	LOCK WASHER
U1705	NR-237	SAME	TABLE WIRING 110 V - 1 PHASE
U1706	NR-238	SAME	TABLE WIRING 220 V - 1 PHASE
U1707	NR-239	SAME	TABLE WIRING 220 V - 3 PHASE
U1708	NR-247	SEE RIGHT	CTL. BOX HARNESS ( NOT USED PRIOR TO SER.NO. 2095
U1709	NR-248	SEE RIGHT	REV. SWITCH HARNESS ( NOT USED PRIOR TO SER.NO. 2095
U1710	NR-249	SEE RIGHT	DOWN LIMIT SWITCH HARNESS ( NOT USED PRIOR TO SER.NO. 2095 )
U1711	NR-250	SEE RIGHT	UP LIMIT SWITCH HARNESS ( NOT USED PRIOR TO SER.NO. 2095 )
U1712	104	SAME	SCREW
U1713	6171	SAME	FLAT WASHER
U1714	116	SAME	LOCK WASHER
U1715	106	SAME	NUT
U1716	NR-232	SAME	LIMIT SWITCH ACTIVATOR
U1717	694	SAME	SCREW
U1718	120	SAME	LOCK WASHER
U1719	S3216	SAME	ENCLOSURE
U1720	NR-259	SAME	CONTROL BOX PANEL
U1721	NR-83	SAME	CORNER SEGMENTS
U1722	NR-314	SAME	CHAIN
U1723	NR-77	SAME	SPACER
U1724	NR-64	SAME	CORNER CAM
U1725	NR-316-1	SAME	TABLE MOTOR 220 / 440 V - 3 PHASE
U1726	NR-316-2	SAME	TABLE MOTOR 110 / 220 V - 1 PHASE
U1727	NR-316-3	SAME	TABLE MOTOR 575 V - 3 PHASE

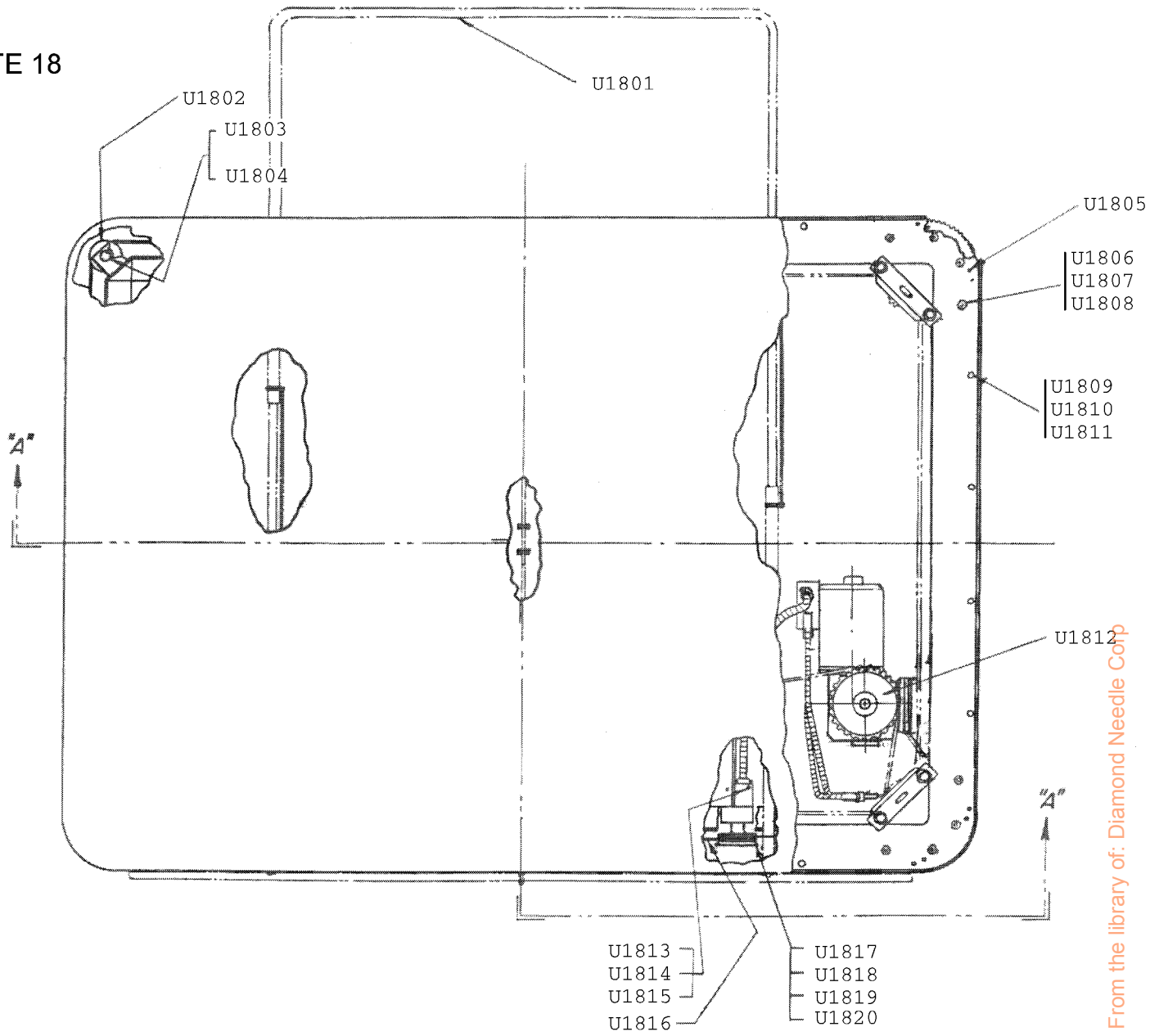
From the library of: Diamond Needle Corp

UNITED MATTRESS MACHINERY

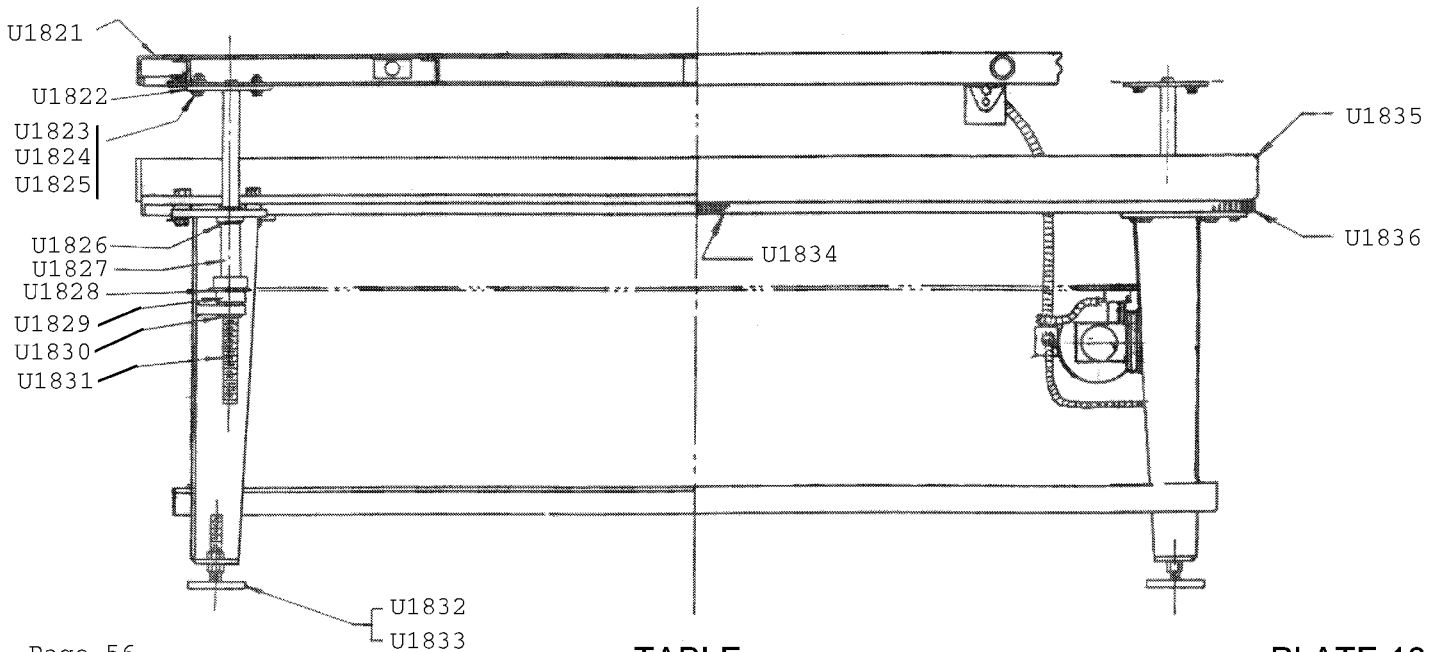
PLATE 18  
TABLE ASSEMBLY



PLATE 18



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E-mail: mathcorp1@aol.com

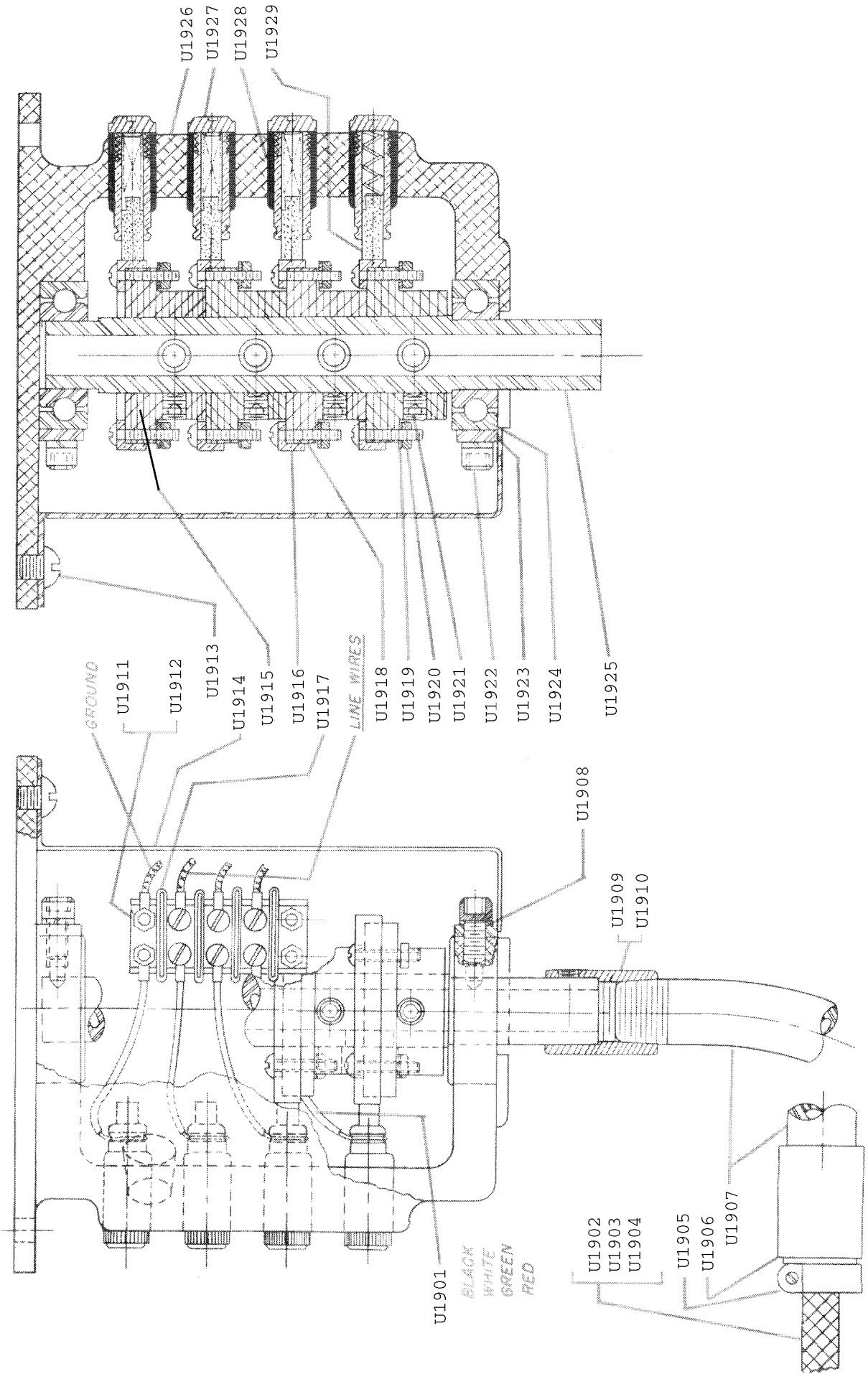
**PLATE 18**

KEY.	MACHINE NO. 2123 AND AFTER	MACHINE NO. 2122 AND BEFORE	DESCRIPTION.
U1801	NR-720	SAME	EXTENSION BARS
U1802	7151	SAME	WHEEL
U1803	302	SAME	SCREW
U1804	6067	SAME	CHECK NUT
U1805	7225	SAME	ROLL PIN
U1806	877	SAME	SCREW
U1807	120	SAME	LOCK WASHER
U1808	109	SAME	NUT
U1809	6556	SAME	SCREW
U1810	102	SAME	LOCK WASHER
U1811	115	SAME	NUT
U1812	NR-315	SAME	SPROCKET
U1813	749	SAME	SCREW
U1814	815	SAME	LOCK WASHER
U1815	6360	SAME	NUT
U1816	NR-308	SAME	ROPE ( TABLE HEIGHT ADJUSMENT )
U1817	NR-351	SAME	CAM ( TABLE HEIGHT ADJUSMENT )
U1818	5711	SAME	SCREW
U1819	6171	SAME	FLAT WASHER
U1820	S3212	1721	REVERSING SWITCH
U1821	NR-600	SAME	TABLE TOP
U1822	NR-601	SAME	TABLE TOP MOUNTING PLATE
U1823	261	SAME	SCREW
U1824	813	SAME	FLAT WASHER
U1825	270	SAME	NUT
U1826	NR-303	SAME	BUSHING
U1827	NR-313	SAME	SPACER - ELEVATING SPROCKET
U1828	NR-309	SEE RIGHT	SPROCKET ( NR 312 USED PRIOR TO SER. NO. 2056 )
U1829	7245	SAME	BEARING
U1830	NR-303	SAME	BUSHING
U1831	NR-305	SEE RIGHT	ELEVATING SCREW ( NR-311 USED PRIOR TO SER. NO. 2056 )
U1832	BEE-197	SAME	TABLE FOOT
U1833	319	SAME	NUT
U1834	NR-84	SAME	TABLE GEAR RACK
U1835	NR-844	SAME	TABLE WELDMENT
U1836	NR-85	SAME	CORNER SEGMENTS

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PLATE 19  
OVERHEAD SWIVEL ASSEMBLY



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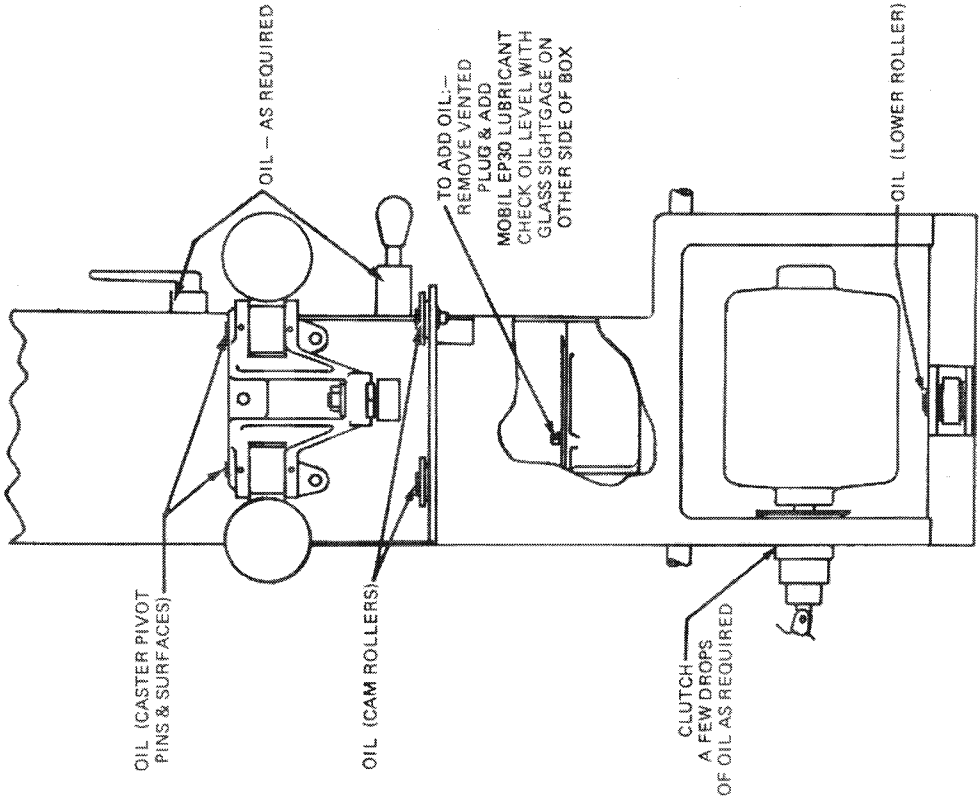
E-mail: mathcorp1@aol.com

**PLATE**

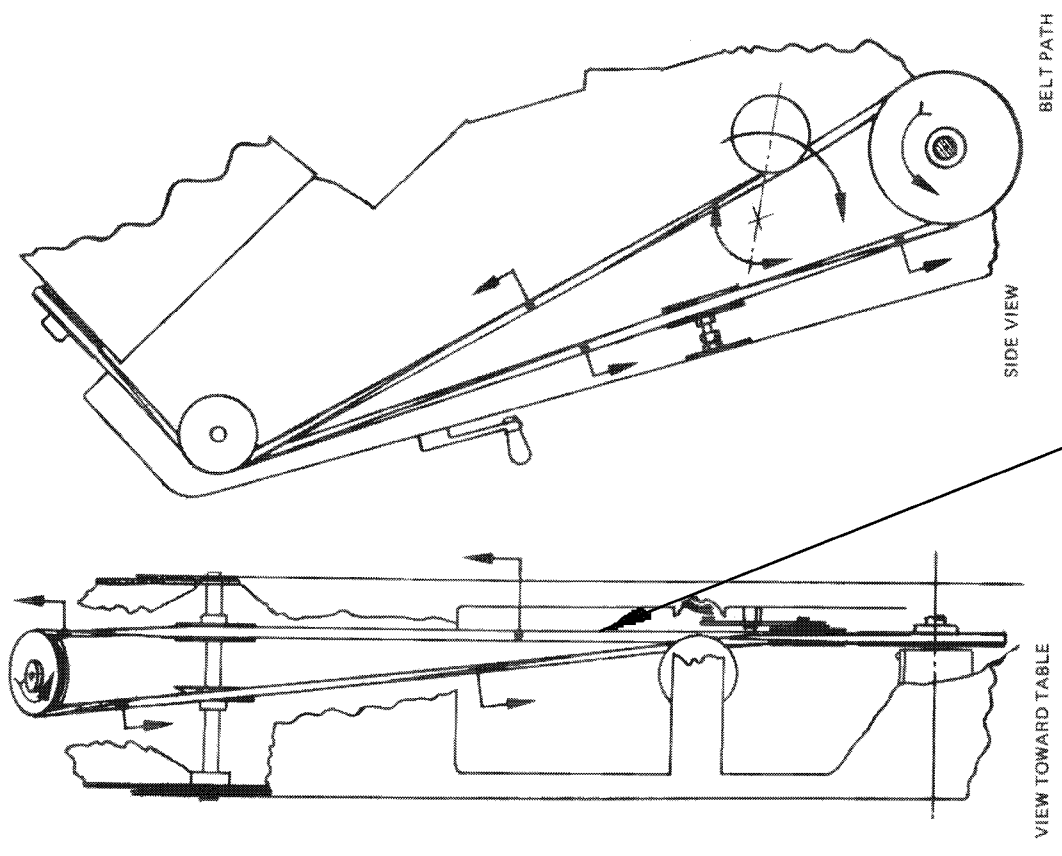
KEY.	PART NO.	DESCRIPTION.	KEY.	PART NO.	DESCRIPTION.
U1901	D-659 / 665	BRUSH HOLDER AND WIRE	U1921	889	SCREW
U1902	D-663	16-4 WIRE 14' LONG	U1922	6137	SCREW
U1903	1726	CONNECTOR BODY	U1923	D-653	CLAMP
U1904	1723	CONNECTOR	U1924	2197	BEARING
U1905	1309	CONNECTOR	U1925	D-652 A	SHAFT
U1906	617	COUPLING	U1926	D-651	SWIVEL HOUSING
U1907	D-661 A	ELBOW	U1927	D-660	CAP
U1908	6197	LOCK WASHER	U1928	D-659 / 665	BRUSH HOLDER AND WIRE
U1909	D-669	COUPLING	U1929	D-658	BRUSH - SPRING
U1910	6531	SET SCREW			
U1911	6451	NUT			
U1912	6574	SCREW			
U1913	1986	SCREW			
U1914	D-656	COVER			
U1915	D-654 A	BUSHING INSULATOR			
U1916	D-655	SLIP RING			
U1917	D-657	TERMINAL BLOCK			
U1918	957	SCREW			
U1919	7337	LOCK WASHER			
U1920	6451	NUT			

UNITED MATTRESS MACHINERY

PLATE 20  
BELT PATH & LUBRICATION CHART



FOR MACHINES WITH GREASE FITTING IN PLACE OF OIL SIGHTGAGE — REMOVE VENTED PLUG & GREASE LEVEL SHOULD BE 1" TO 1 1/2" DEEP



NR15 - 89" ROUND DRIVE BELT  
 S3790 - 98" ROUND DRIVE BELT  
 S3901 - 108" ROUND DRIVE BELT

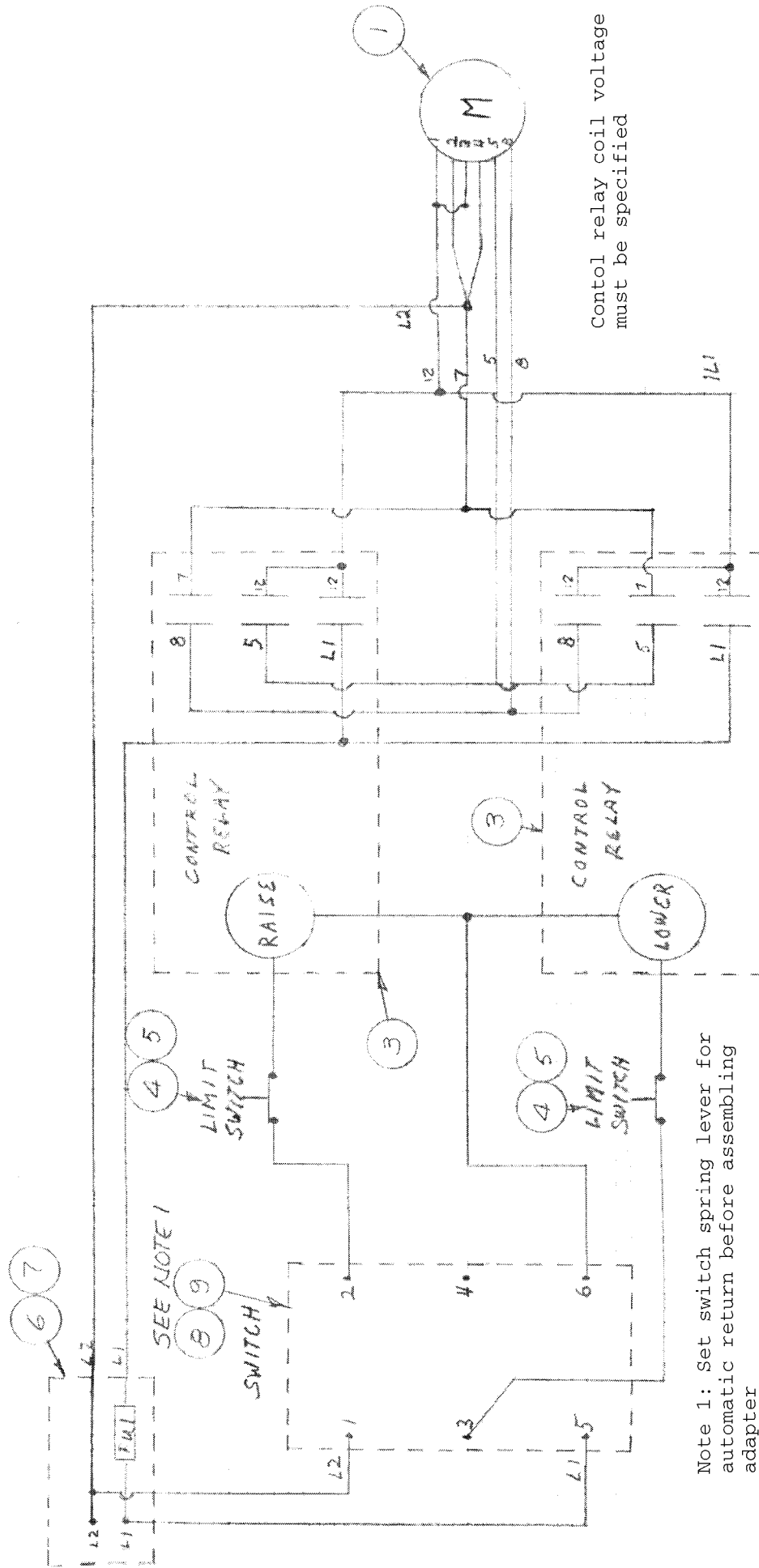
SEWING HEAD DRIVE BELT PATH

LUBRICATION CHART

UNITED MATTRESS MACHINERY

PLATES 21-22  
ELECTRICAL SCHEMATICS



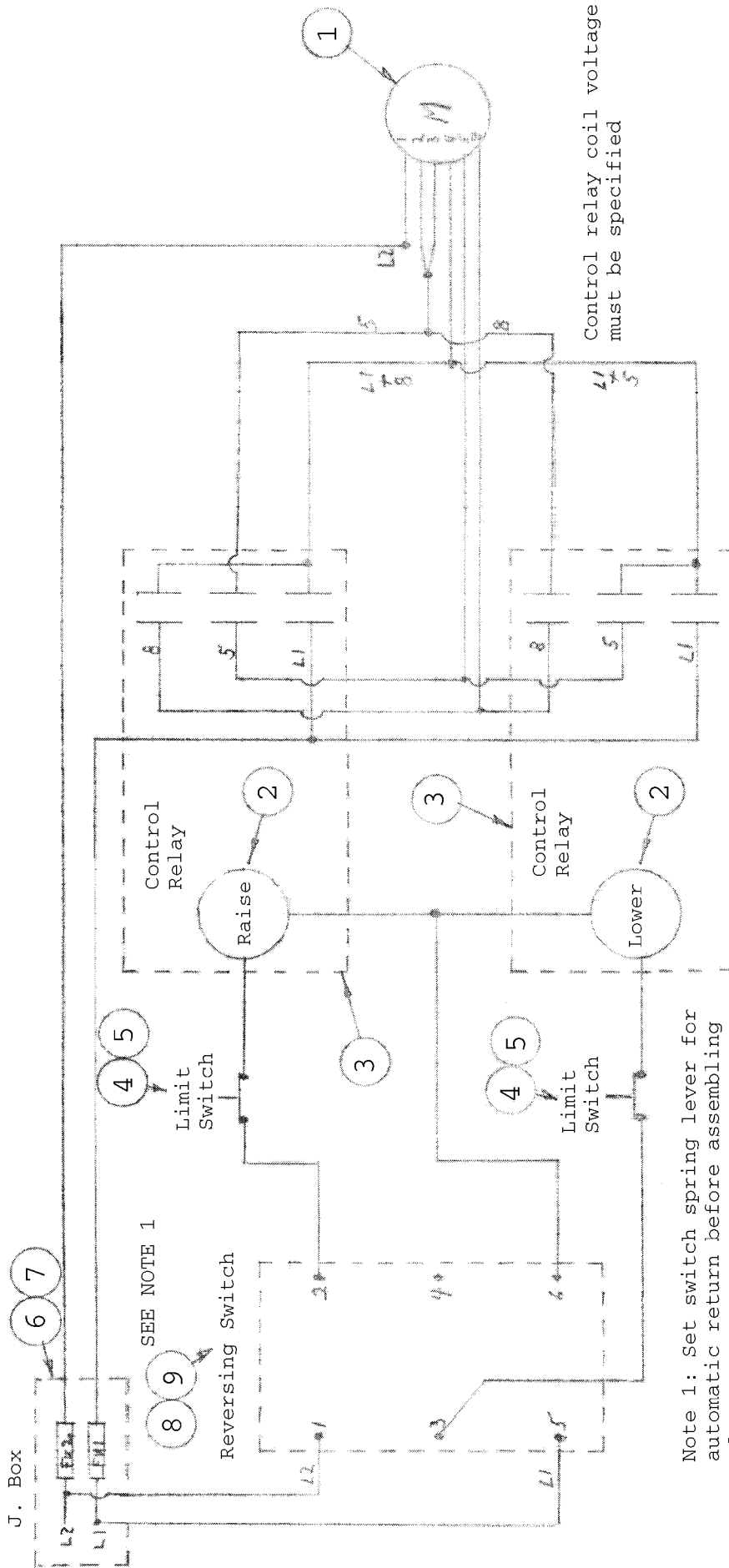


Control relay coil voltage must be specified

Note 1: Set switch spring lever for automatic return before assembling adapter

- Parts:
- 1 - NR316-2 Motor 110V Single phase
  - 3 - S3248 Relay
  - 4 - S3219 Limit Switch
  - 5 - S3220 Lever Arm - Limit Switch
  - 6 - S3236 Fuse Block
  - 7 - S3268 Fuse
  - 8 - S3212 Reversing Drum Switch
  - 9 - NR351-01 Lever - Reversing Switch

**NR TABLE ELECTRICAL SCHEMATIC  
1 PH 110V MOTOR**

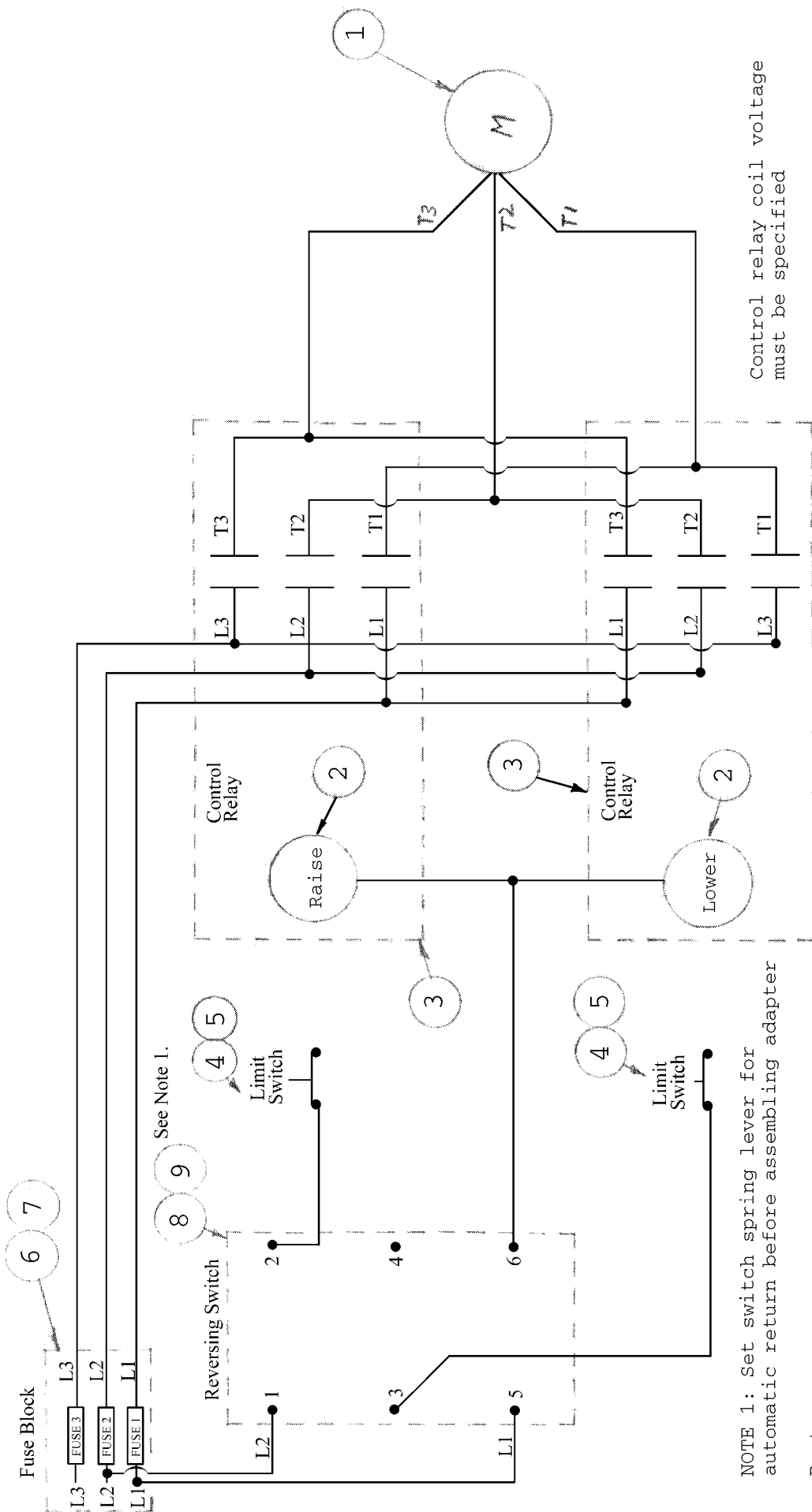


Note 1: Set switch spring lever for automatic return before assembling adapter

Parts:

- 1 - NR316-2 Motor 220V Single Phase
- 2 - S3692 Coil (coil voltage must be specified)
- 3 - S3261-220 Relay
- 4 - S3219 Limit Switch
- 5 - S3220 Lever Arm - Limit Switch
- 6 - S3236 Fuse Block
- 7 - S3265 Fuse
- 8 - S3212 Reversing Drum Switch
- 9 - NR351-01 Lever - Reversing Switch

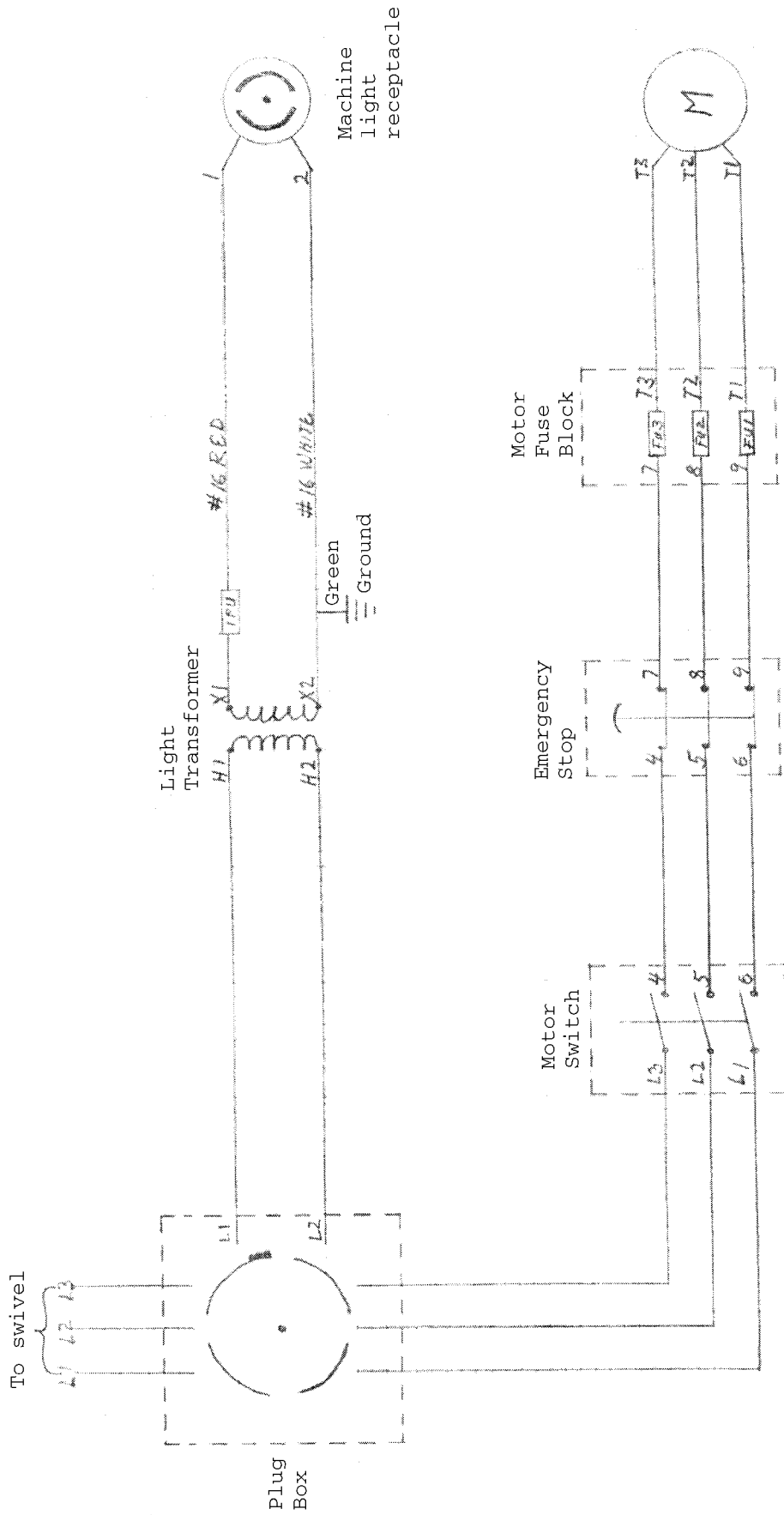
NR TABLE ELECTRICAL SCHEMATIC  
1 PH 220V MOTOR



NOTE 1: Set switch spring lever for automatic return before assembling adapter

- Parts:
- 1 - NR316-1 Motor 230/460V 3PH
  - 2 - S3693 Coil (coil voltage must be specified)
  - 3 - S3218 Relay
  - 4 - S3219 Limit Switch
  - 5 - S3220 Lever Arm - Limit Switch
  - 6 - S3221 Fuse Block
  - 7 - S3238 Fuse
  - 8 - S3212 Reversing Drum Switch
  - 9 - NR351-01 Lever - Reversing Switch

NR TABLE ELECTRICAL SCHEMATIC  
3 PH 230/460V MOTOR



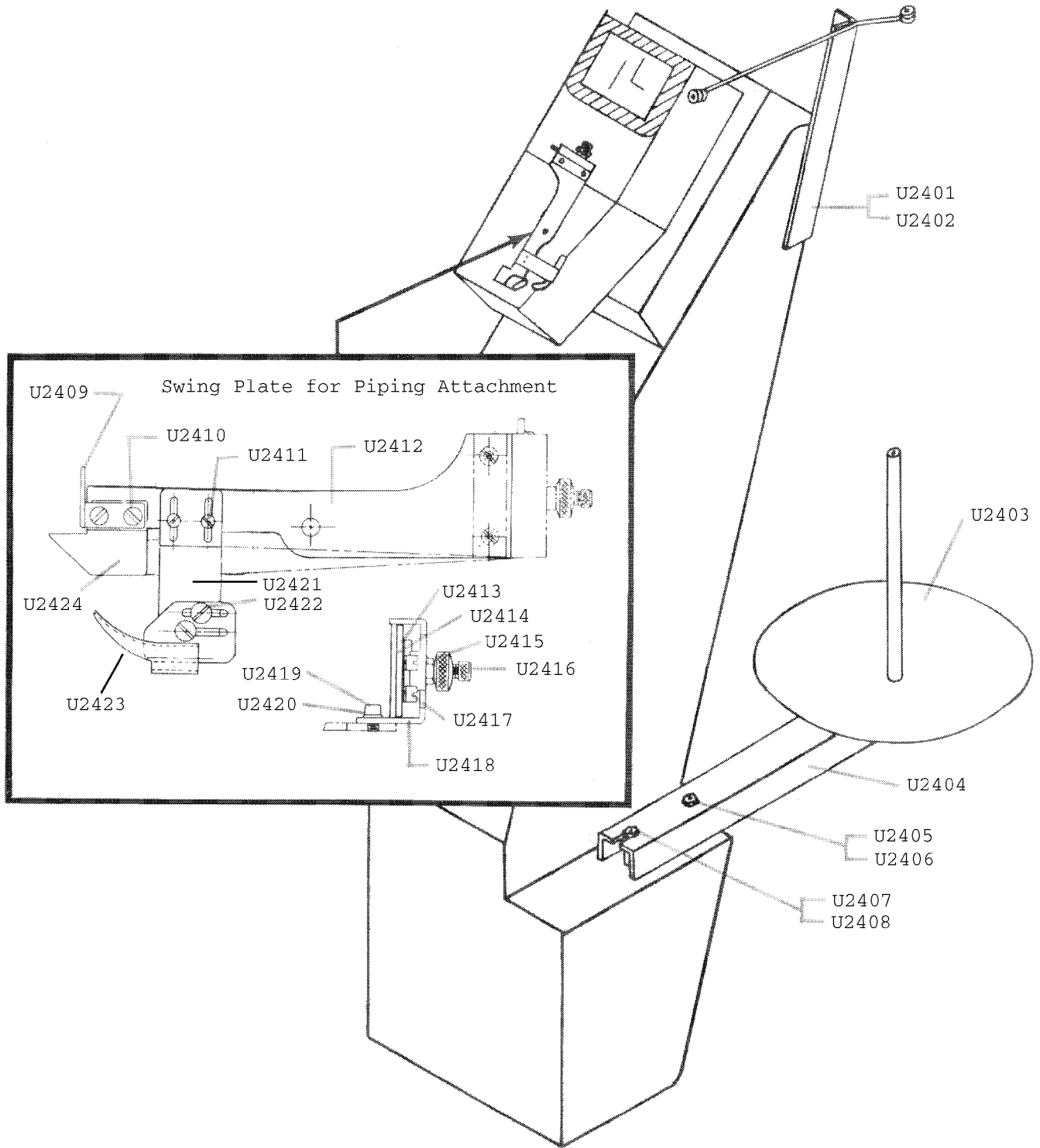
For single phase machines eliminate line #3

All wires shall be #14 MTW (black) except where noted

NR CARRIAGE ASSEMBLY ELECTRICAL SCHEMATIC

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PLATE 24  
PIPING ATTACHMENT  
(see over)



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PLATE 25  
Variable Speed Drive  
(see over)

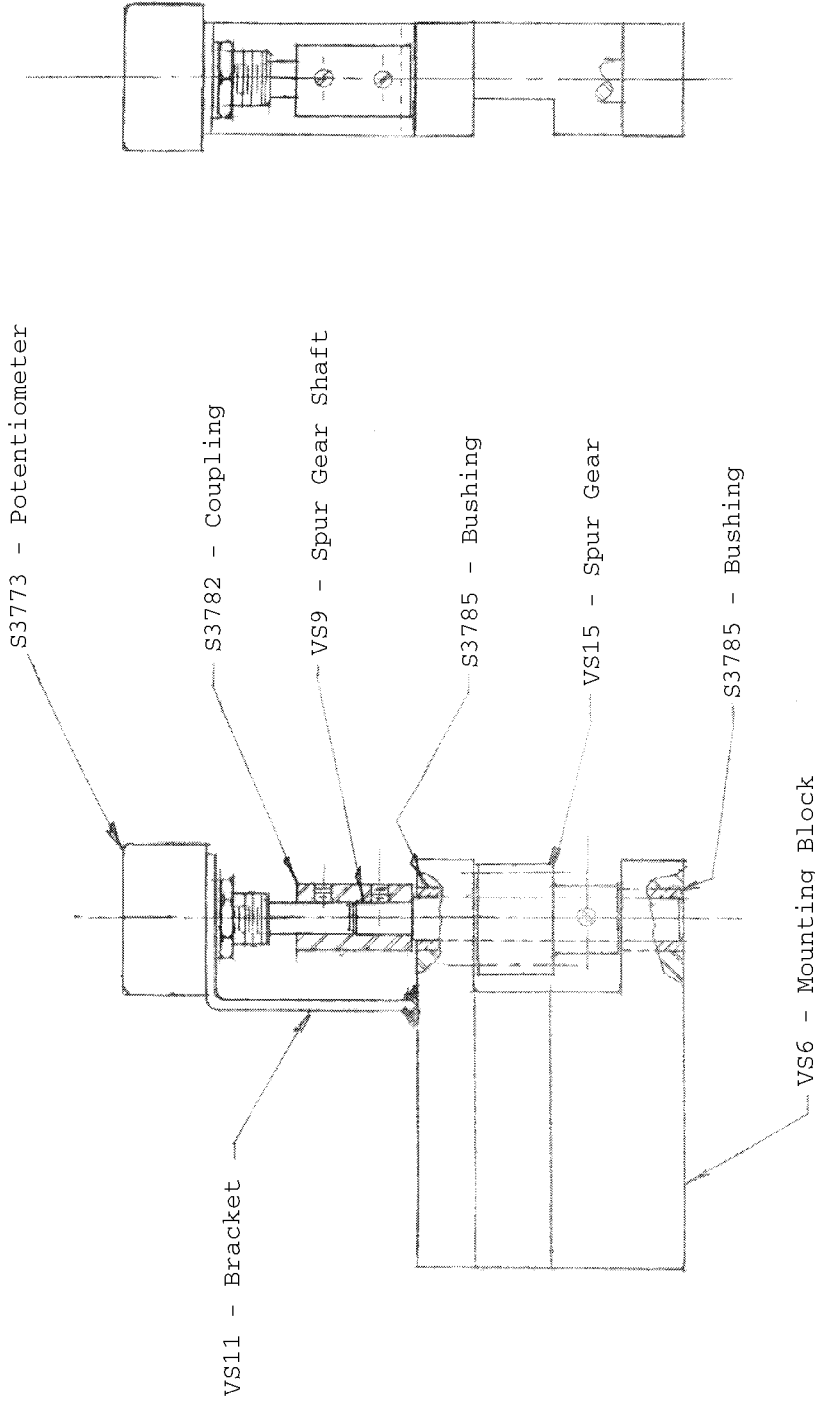


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PLATE 25  
RESERVED

UNITED MATTRESS MACHINERY

PLATE 26  
Variable Speed Drive  
(BRAKE POTENTIOMETER ASSEMBLY)

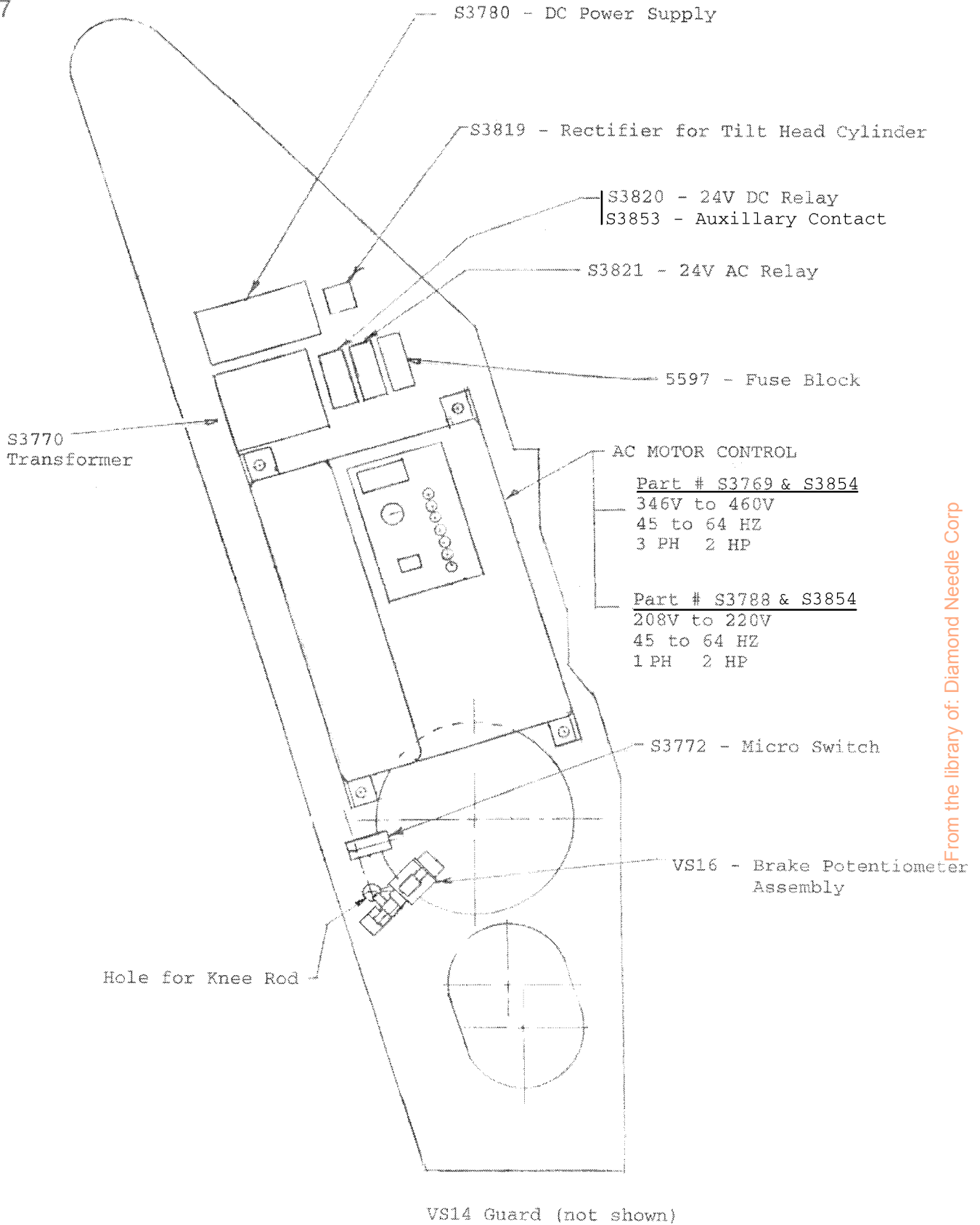


Order part number VS16 for complete assembly

**VARIABLE SPEED DRIVE  
BRAKE POTENTIOMETER ASSEMBLY**

UNITED MATTRESS MACHINERY

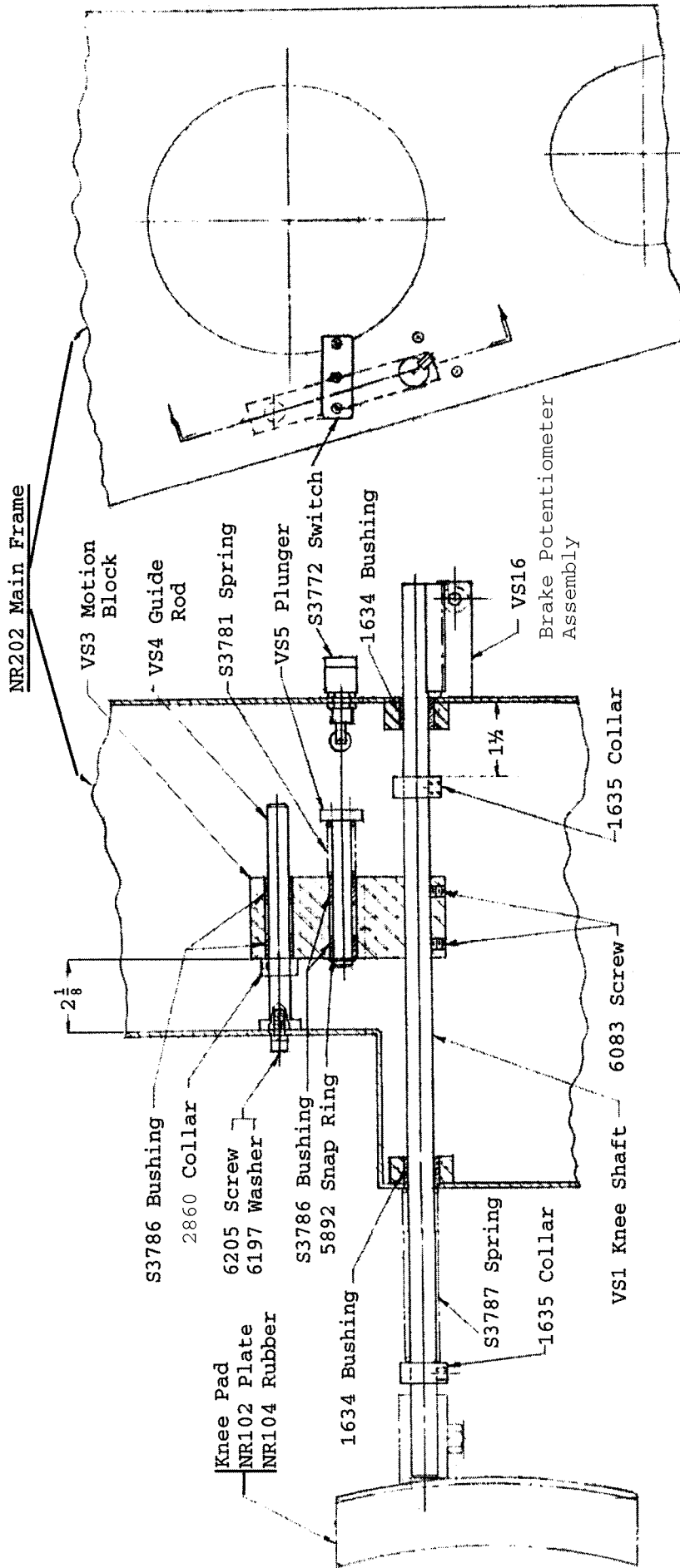
PLATE 27  
Variable Speed Drive  
(COMPONENT LOCATIONS)



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UNITED MATTRESS MACHINERY

PLATE 28  
Variable Speed Drive  
(CARRIAGE INTERNAL PARTS)



All dimensions in inches

VARIABLE SPEED DRIVE  
CARRIAGE INTERNAL PARTS

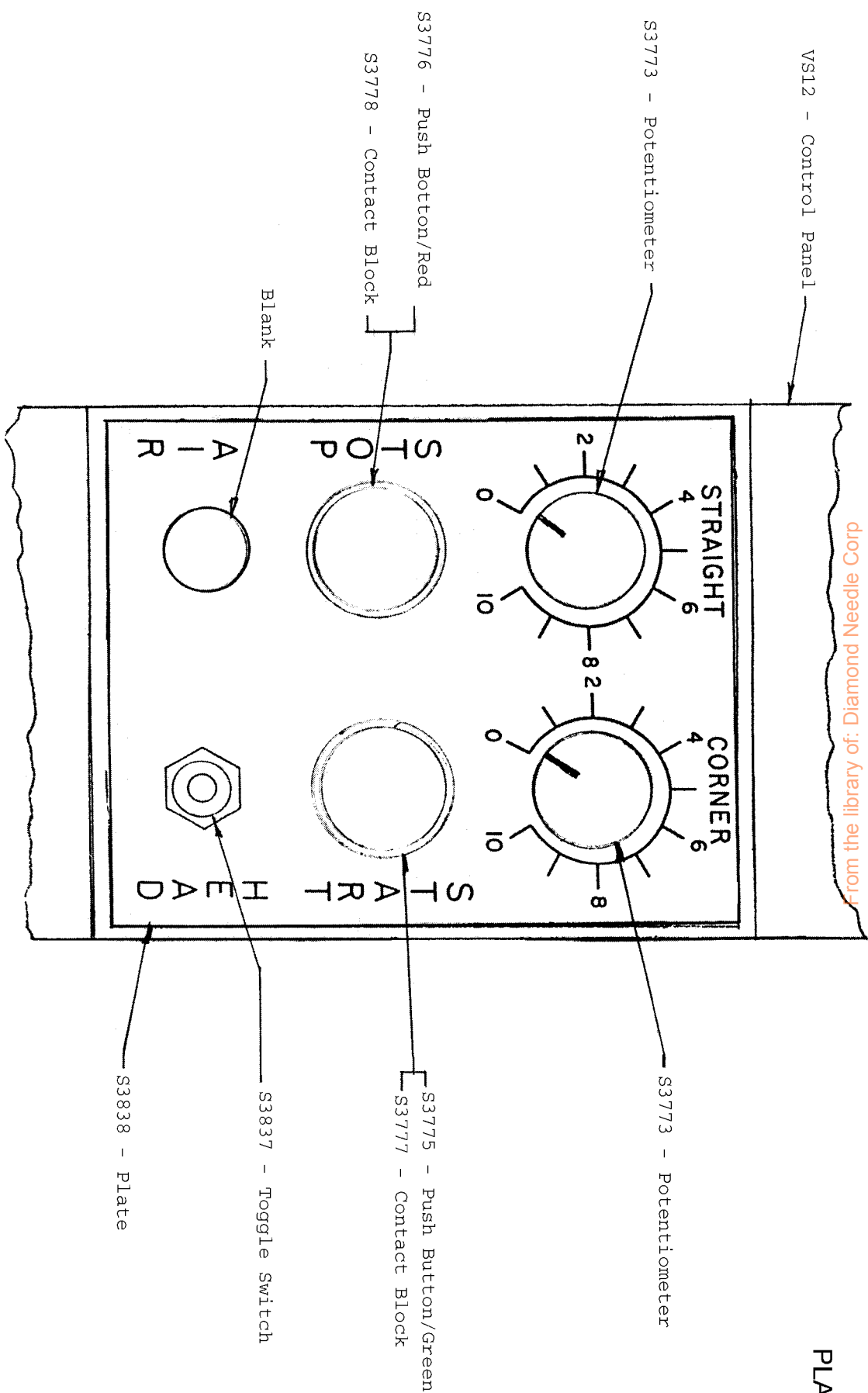
UNITED MATTRESS MACHINERY

PLATE 29  
Variable Speed Drive  
(CONTROL PANEL ASSEMBLY)



VS12 - Control Panel

PLATE 29

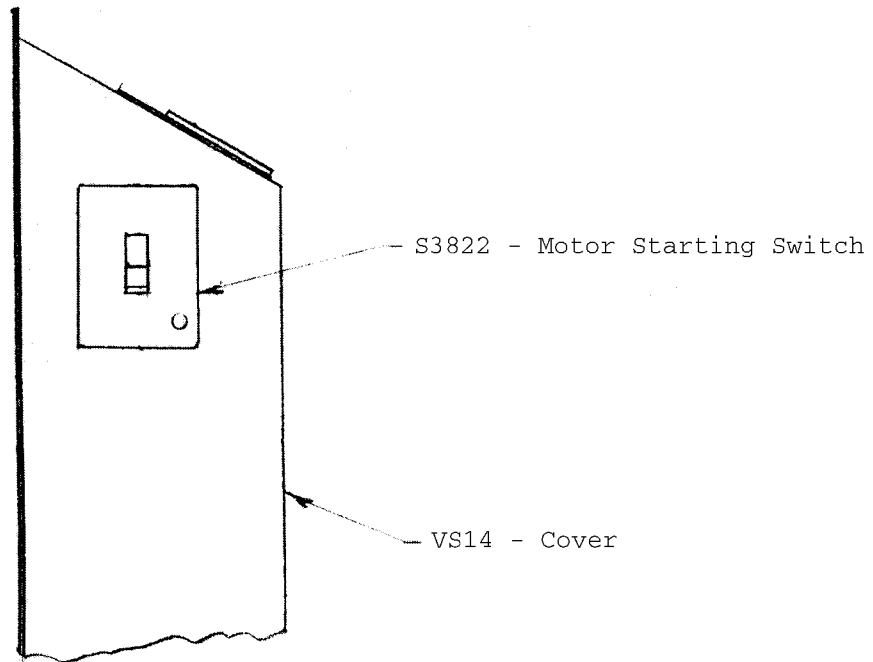
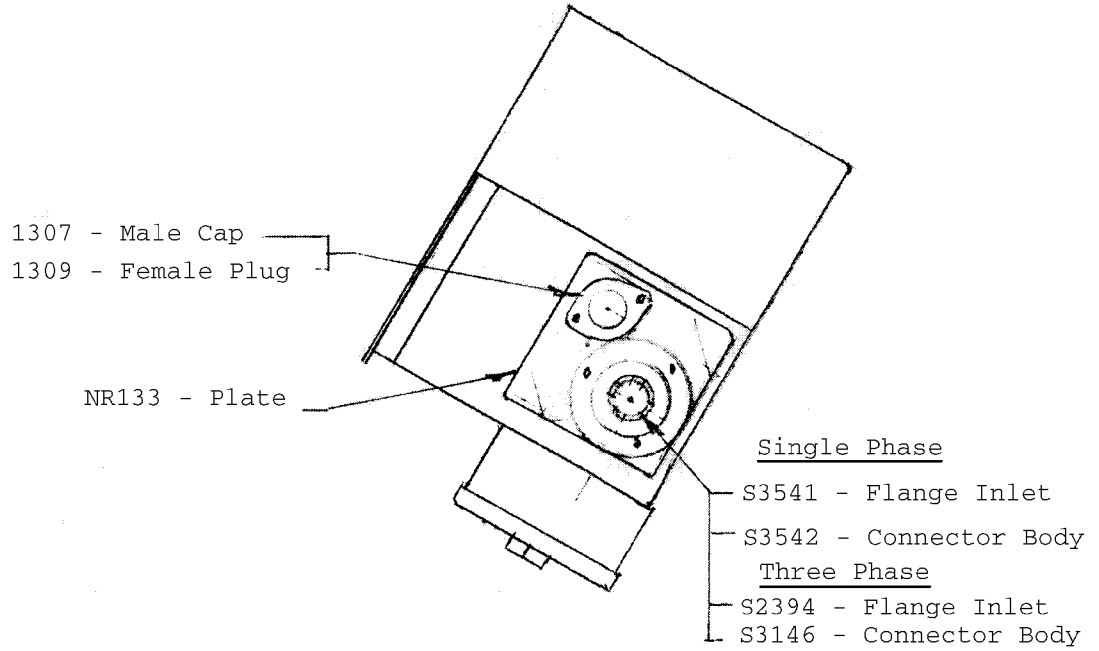


VARIABLE SPEED DRIVE  
CONTROL PANEL ASSEMBLY

PLATE 29

UNITED MATTRESS MACHINERY

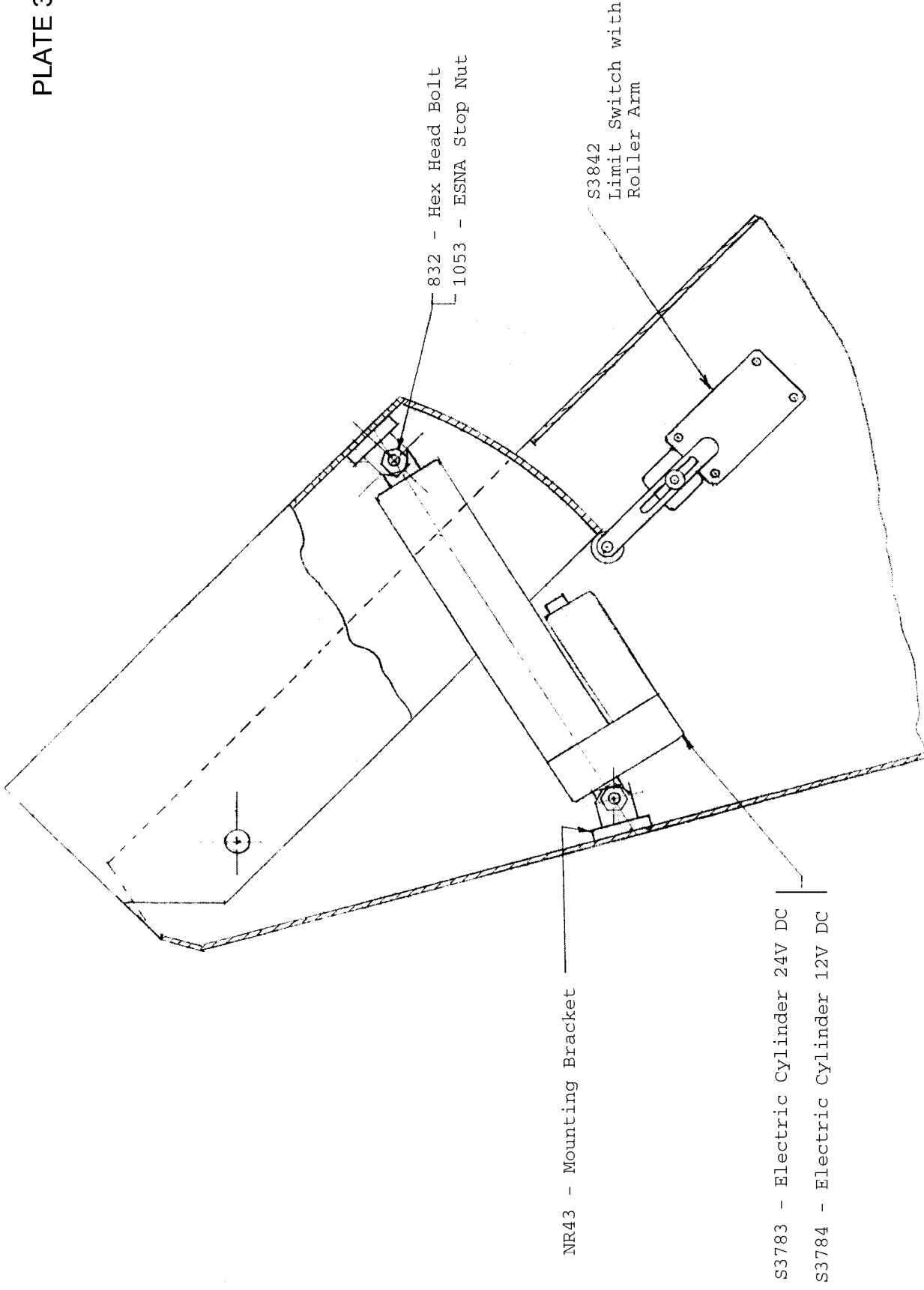
PLATE 30  
Variable Speed Drive  
(GUARD GROUP)



VARIABLE SPEED DRIVE  
GUARD GROUP

UNITED MATTRESS MACHINERY

PLATE 31  
Variable Speed Drive  
(TILT HEAD ASSEMBLY)

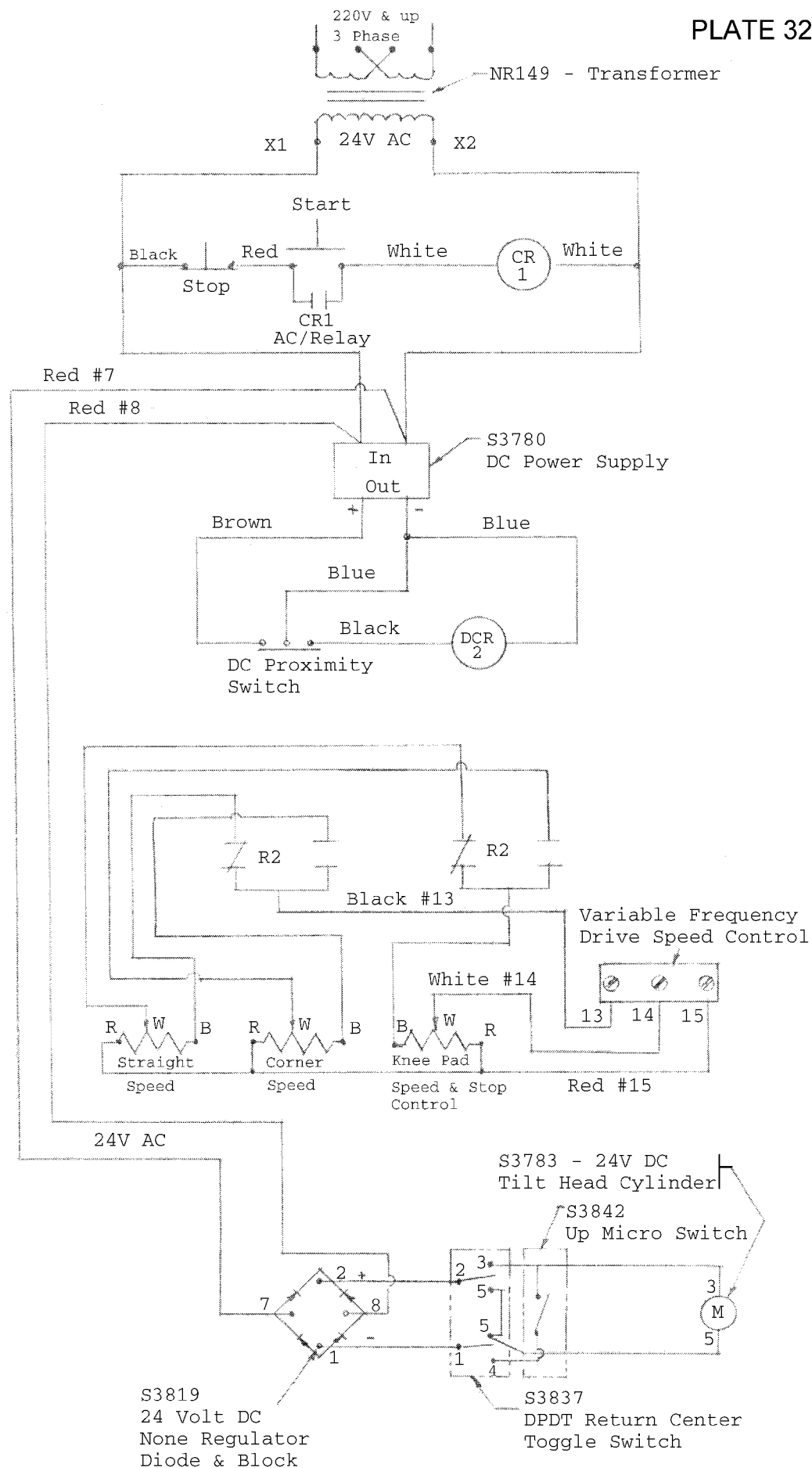


Related items not shown :  
S3837 - Toggle Switch  
S3819 - Rectifier

VARIABLE SPEED DRIVE  
TILT HEAD ASSEMBLY

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PLATE 32  
Variable Speed Drive  
(ELECTRICAL SCHEMATIC)



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VARIABLE SPEED DRIVE ELECTRICAL SCHEMATIC

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PLATE 33

Variable Speed Drive  
(PROXIMITY SWITCH LOCATION)



Machine Serial No. 2255VS  
and above

Machines prior to  
Serial No. 2255VS

Table Assembly NR300

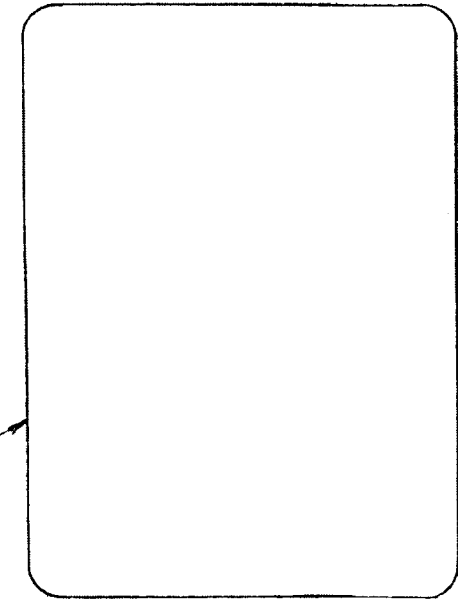
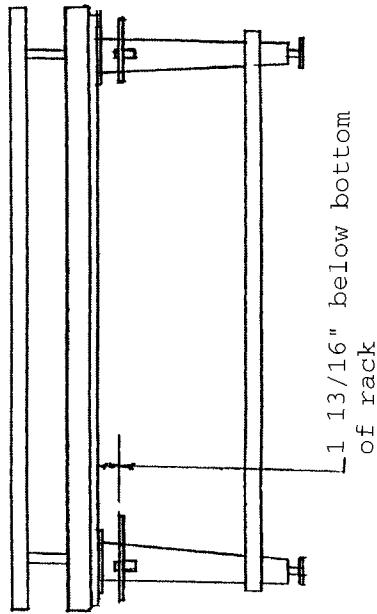
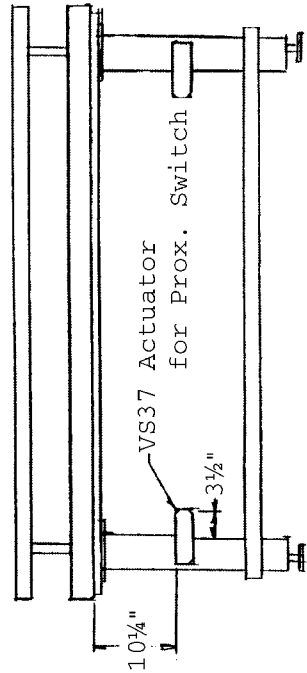
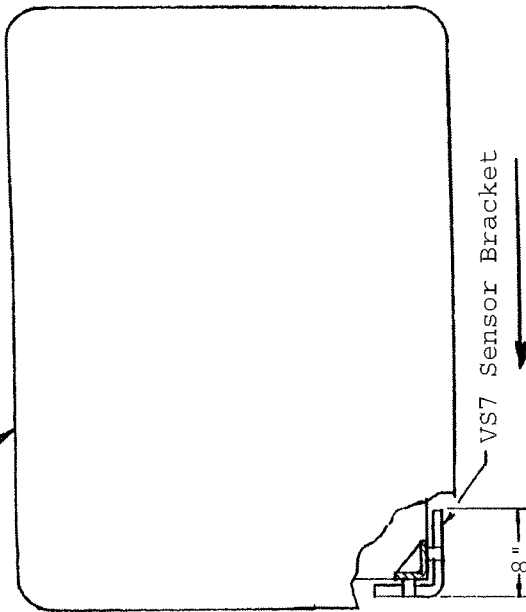


Table Assembly NR300



All measurements are in inches

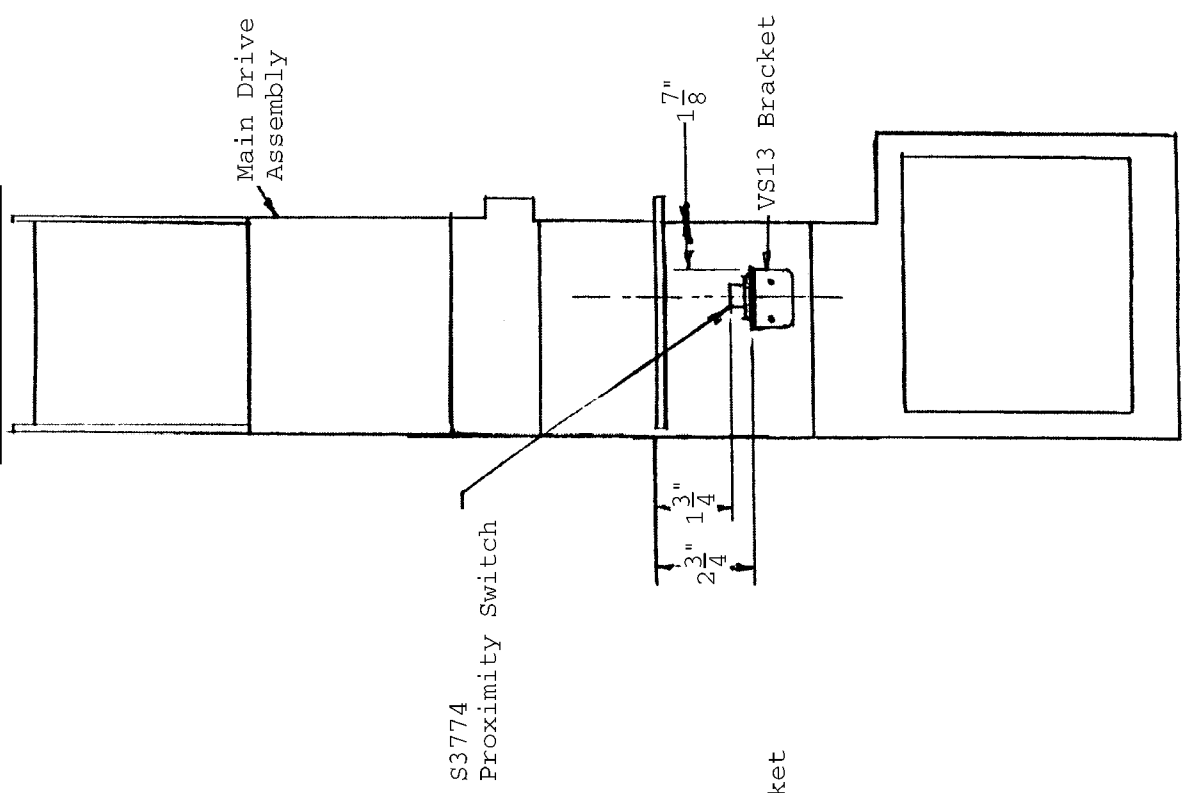
VARIABLE SPEED DRIVE  
From LOCATION OF PROXIMITY  
SWITCH ACTUATOR

UNITED MATTRESS MACHINERY

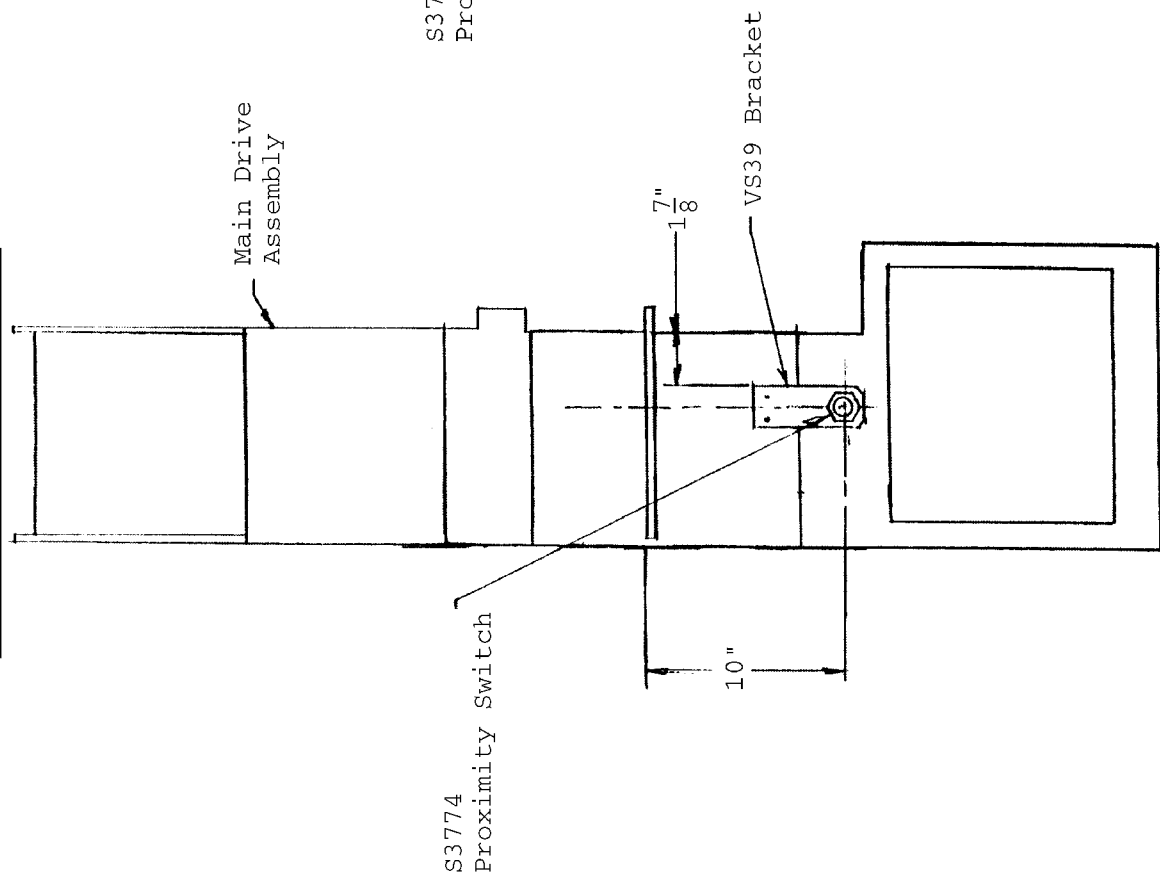
PLATE 34

Variable Speed Drive  
(PROXIMITY SWITCH LOCATION)

Machines prior to  
Serial No. 2255VS



Machine Serial No. 2255VS  
and above



All measurements are in inches

VARIABLE SPEED DRIVE  
LOCATION OF PROXIMITY  
SWITCH & BRACKET

UNITED MATTRESS MACHINERY

PLATE 35  
UNDERTABLE SWIVEL

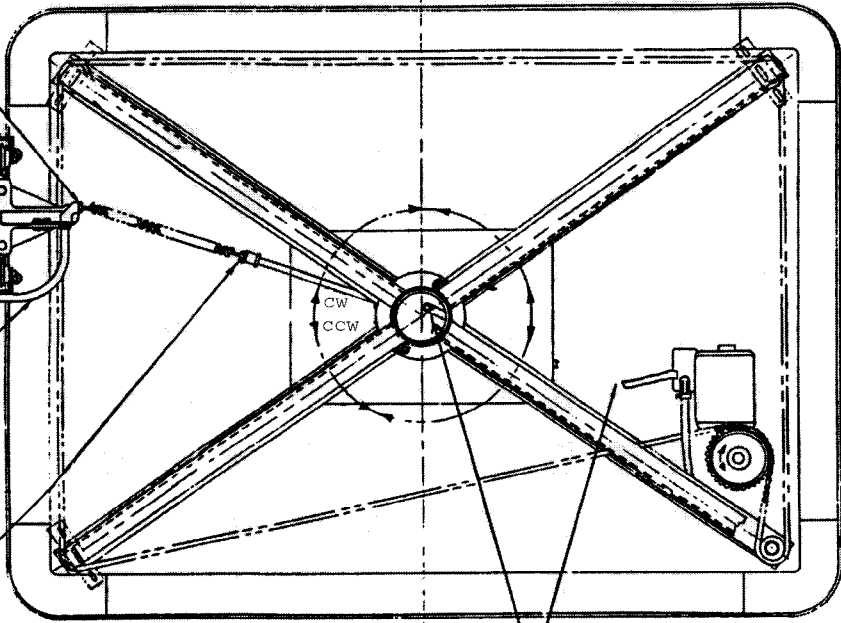
TOP VIEW

UTS31 Bracket  
 Extension Short  
 273 Bolt  
 102 Washer  
 115 Nut  
 3080 Elbow

UTS32 Bracket  
 (VS30 for Vari Speed)  
 273 Bolt  
 102 Washer  
 115 Nut

UTS35 Tubing  
 1981 Coupling

UTS50 Koil Kord  
 (VS31 for Vari Speed)  
 1471 Fitting  
 1909 Straight Connector



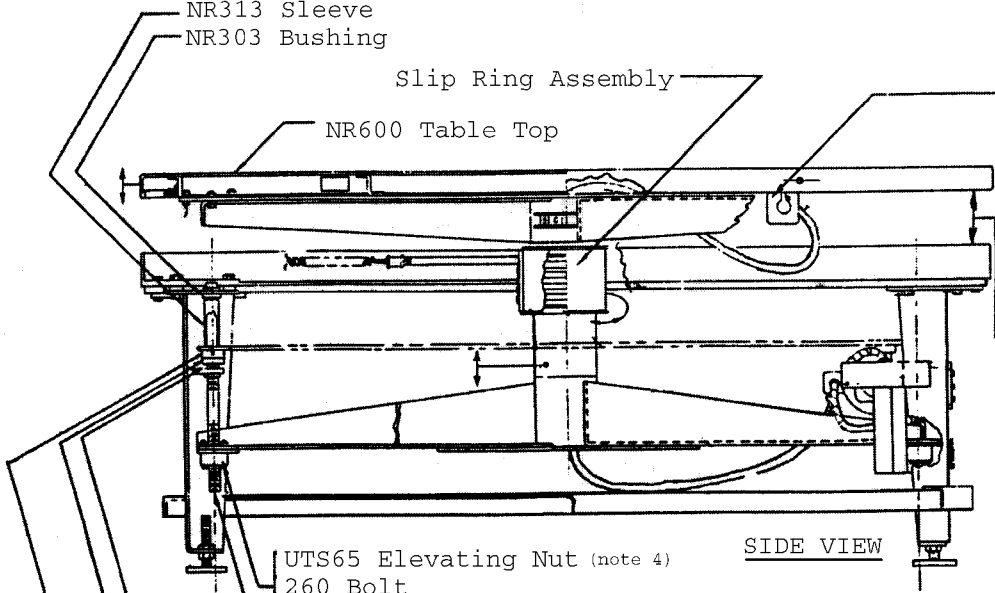
UTS45 Bracket  
 UTS39 Harness Assembly

UTS66 Bracket (note 1)  
 S3212 Switch (note 2)  
 232 Bolt  
 115 Nut  
 102 Washer  
 6657 Screw  
 815 Lockwasher  
 6360 Nut  
 UTS29 Extension  
 NR351 Lever Segment  
 NR235 Adapter (note 3)  
 6526 Set Screw  
 3465 Pipe Strap  
 for UTS29  
 6657 Screw  
 815 Lockwasher  
 6360 Nut

NR313 Sleeve  
 NR303 Bushing

Slip Ring Assembly

NR600 Table Top



4" Min ±¼  
 9" Max ±¼

SIDE VIEW

UTS65 Elevating Nut (note 4)  
 260 Bolt  
 S3871 Nut  
 UTS64 Elevating Screw (note 5)

NR303 Bushing  
 7245 Bearing  
 UTS6 Sprocket Elevating Screw  
 6050 Set Screw  
 4488 Roll Pin

NOTES

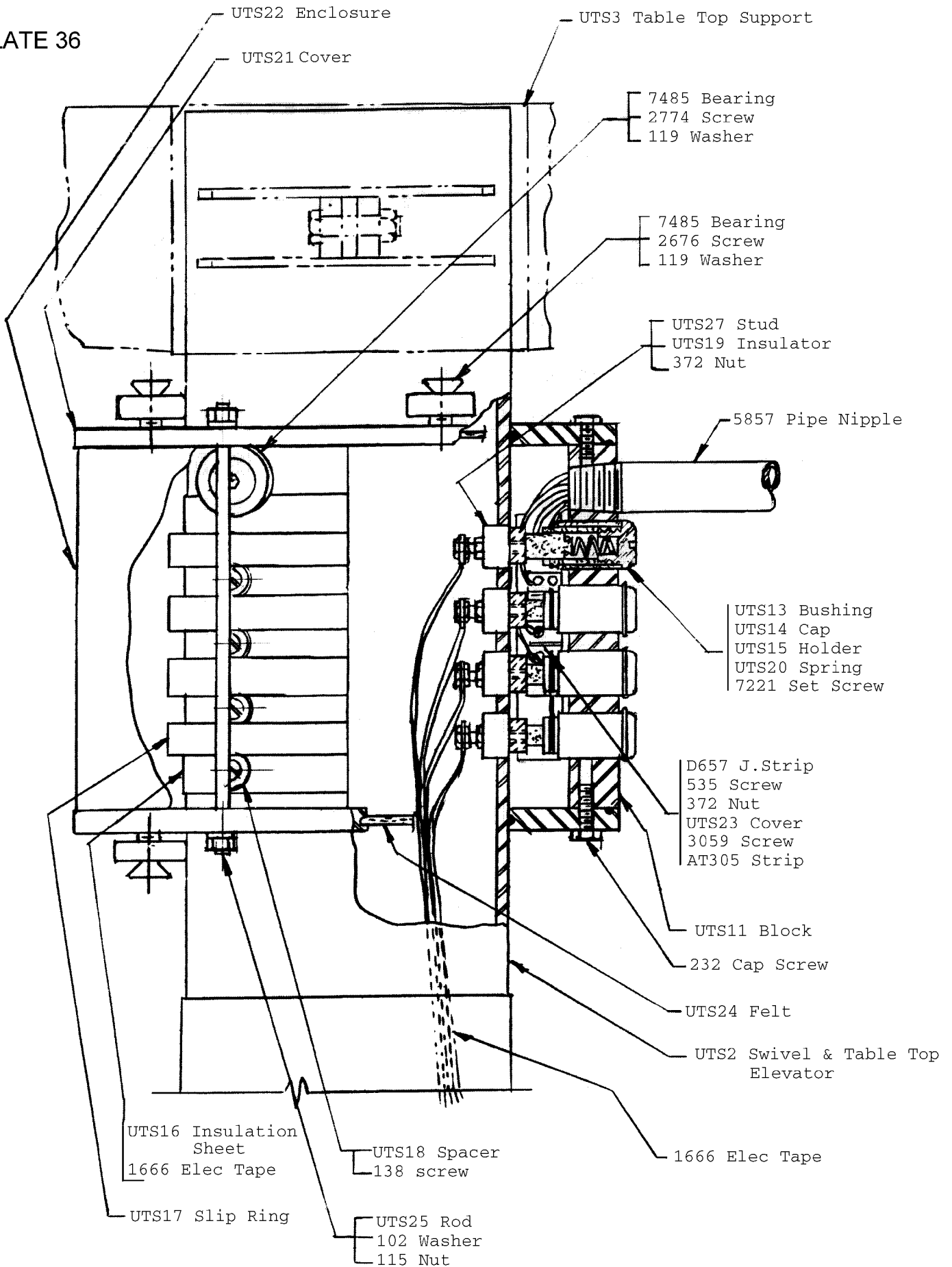
- 1) UTS63 prior to machine # NR2093  
 UTS28 prior to machine # NR2021
- 2) 1721 prior to machine # NR2093
- 3) NR235 starts with machine #NR2093
- 4) UTS5 prior to machine # NR2065
- 5) UTS6 prior to machine # NR2065

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UNDER TABLE SWIVEL  
TOP AND SIDE VIEWS

UNITED MATTRESS MACHINERY

PLATE 36  
UNDERTABLE SWIVEL  
(SLIP RING ASSEMBLY)



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UNITED MATTRESS MACHINERY

PLATE 37  
UNDERTABLE SWIVEL  
(ISOMETRIC VIEW)



PLATE 37

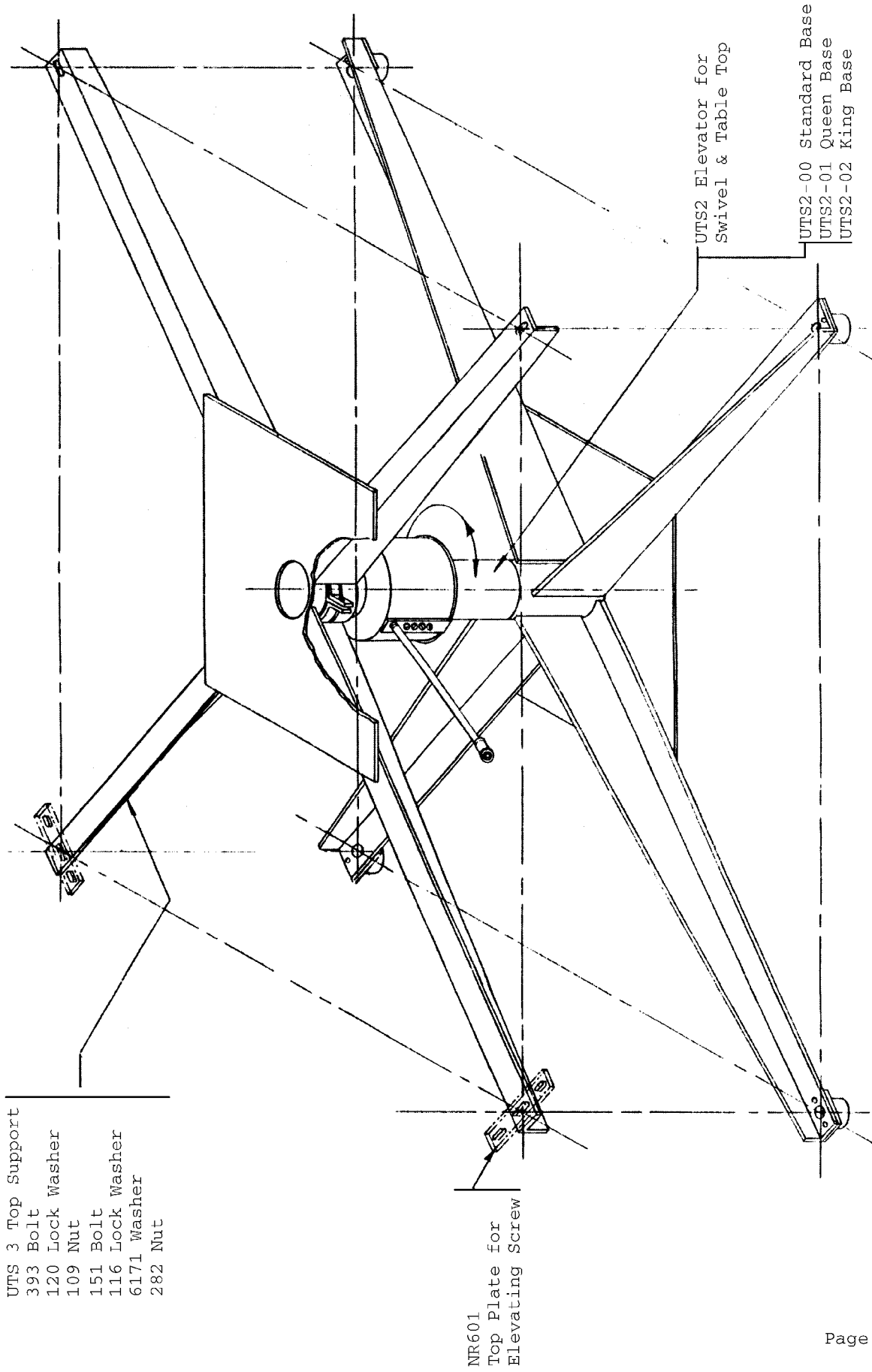


PLATE 37

UNDER TABLE SWIVEL  
ISOMETRIC VIEW

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