

PORTER

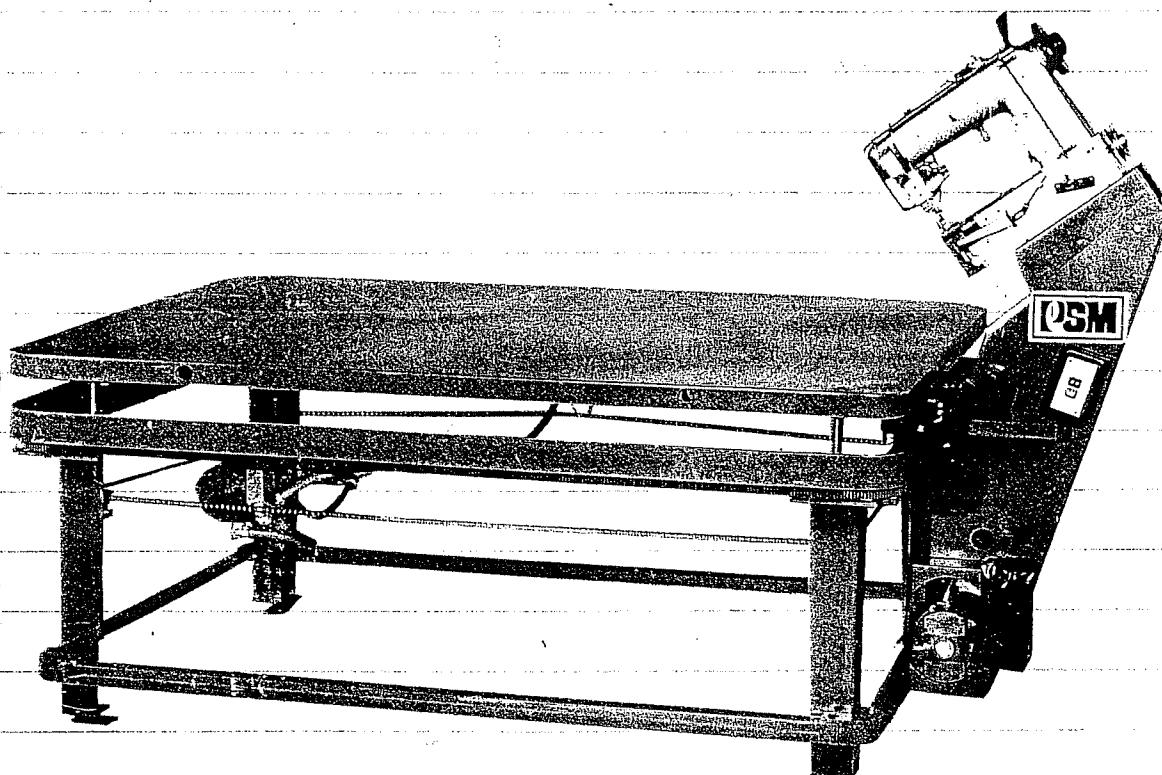
DESIGNERS AND MANUFACTURERS OF SPECIALIZED INDUSTRIAL SEWING EQUIPMENT

PNR

10M

The Tape Edge Closing Machine

CONTENTS



SET UP
OPERATION

PARTS

ASSEMBLY

ASSEMBLY
DIAGRAMS

**INSTRUCTIONS,
PARTS CATALOG &
SERVICE MANUAL**



PORTER
SEWING MACHINES, INC.

97 RANTOUL STREET, BEVERLY, MA 01915
(508) 922-2611 • 1-800-343-8138

From the library of: Diamond Needle Corp

CONTENTS

SET-UP AND OPERATION

Assembly Instructions	3
Sewing Head Adjustments	4
Operating Instructions	13

PARTS

Sewing Head Parts	15
PNR Parts	17
Standard Parts	20
PNR Accessory Parts	21

ASSEMBLY

Front Assembly Sewing Arm	23
Upper Shaft Assembly	24
External Parts Sewing Arm	25
Front Assembly Sewing Bed	28
Lower Shaft Assembly	29
External Parts Sewing Bed	30
Cross Shaft in Sewing Bed	31
Gear Box Assembly	32
Caster Assembly	33

ASSEMBLY DIAGRAMS

Main Drive Assembly	34
Machine Traverse Speed Adjustment	39
Table	40
Swivel Assembly	42
Sewing Head Drive-belt Path	43
Lubrication	43
Piping Attachment	44

WIRING DIAGRAMS

Table Wiring Diagram	45
Main Drive Wiring Diagrams	46

SEWING HEAD PARTS CHART

Insert

Printed in USA
2M 9-90

©1990 Porter Sewing Machines, Inc.

From the library of: Diamond Needle Corp

ASSEMBLY INSTRUCTIONS

The PNR Tape Edge system consists of three main assemblies: the table, the carriage, and the sewing head.

When locating the table, care must be taken to find a level section on the production floor. To level the table, adjustment screws with lock nuts are located at the bottom of each table leg. Additional powered adjustments are available to adjust the table height to individual operators.

The carriage assembly mounting requires the removal of the roller and stud assembly from the upper track level bracket. When the carriage has been lifted on to the track and is running on its casters, the roller and stud can be replaced.

The sewing head can be attached to the carriage by means of four (4) hex head screws which are provided. The screws are mounted from underneath the carriage tilt plate. The drive wheel cover and its V-belt should be removed so that the V-belt can be fastened over the pulley. The drive belt must be attached before operating. The sewing head comes fully threaded, so observe the various thread guides.

Located on the carriage are two electrical outlets. The top outlet is the main power wire coming down from the swivel. The bottom outlet is for the work light. Both plugs are of the twist-on type.

Fasten the thread cone platter and the top reel on the same side of the carriage away from the edge of the table. Three thread guides consisting of a wire 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 looper thread, further to the left, uses only one (long) thread guide on the carriage. These guide the two threads to the bracket on the top of the head. The looper thread passes from the bracket down through a tube provided.

The ceiling electrical connection should now be connected. It should be located 7" (2.15M) to 10' (3.08M) above the floor level. The swivel wire is brought down and threaded thru a loop which is fastened to the sewing head. The swivel wire is plugged in and twisted (locked) in place on the upper of the two connectors located on the side of the carriage.

Now the machine is ready to operate.

Note: You should turn the head over by hand to insure correct operations before power is turned on.

NEEDLES

The size of the needle to be used is determined by the size of the thread which must pass freely through the eye of the needle.

Orders for needles should specify quantity required and size number.

To Set The Needle

Turn machine pulley over toward the operator until the needle bar is at its highest point, as shown in Fig. 1.

Insert needle into needle bar as far as it will go, making certain that the scarf of the needle faces toward the left, as shown in Fig. 1.

THREADING THE MACHINE

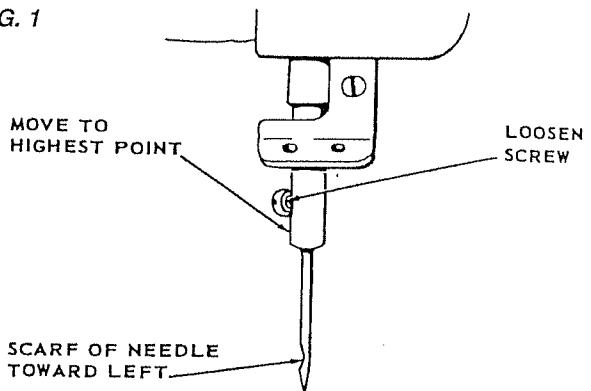
Upper Threading

Turn machine pulley over toward operator until needle bar is at its highest point.

Pass thread from unwinder through threading points indicated in Fig. 2. See insert, Fig. 2, for correct threading of needle.

Draw approximately two inches of thread through needle eye with which to start sewing.

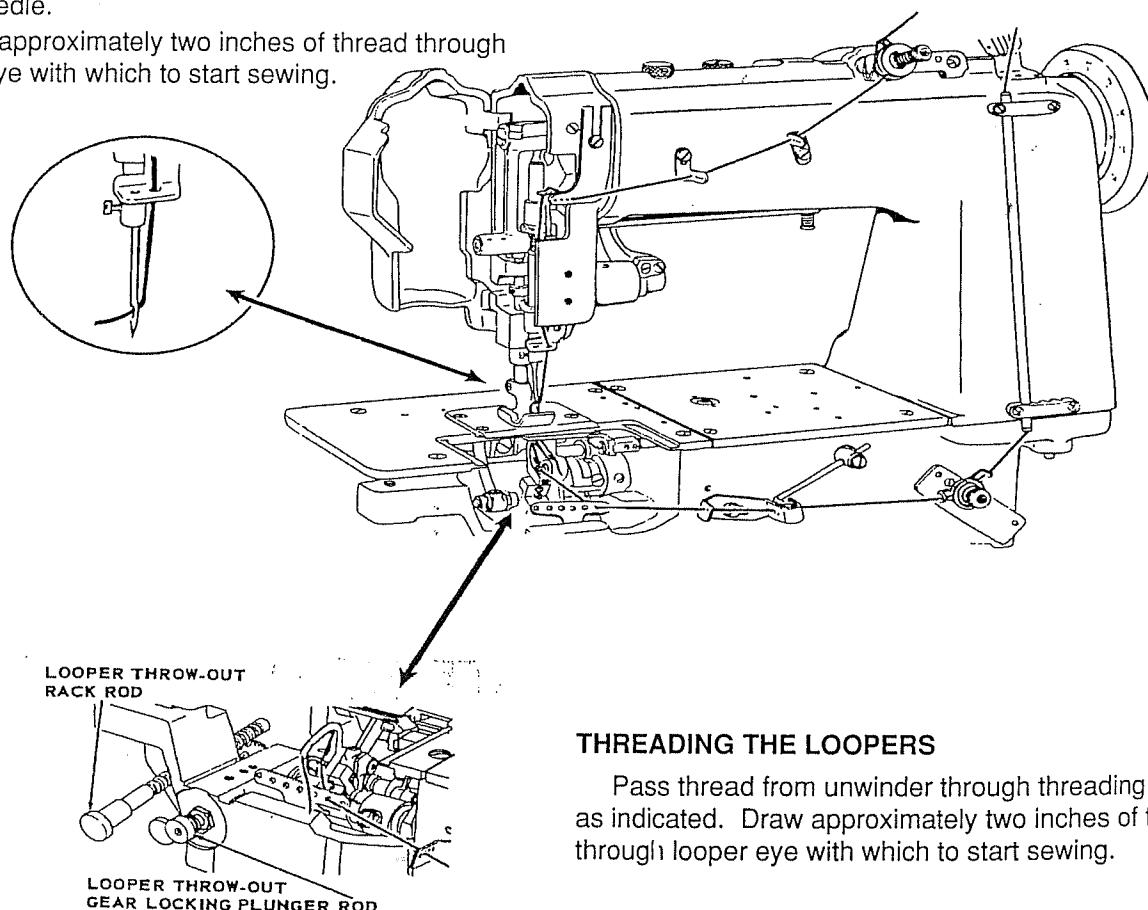
FIG. 1



THREAD

Either left twist or right twist may be used in the needles and loopers.

Rough or uneven thred, or thread which passes through the needle eye with difficulty will interfere with successful operation of the machine.



THREADING THE LOOPERS

Pass thread from unwinder through threading points as indicated. Draw approximately two inches of thread through looper eye with which to start sewing.

NEEDLE THREADS

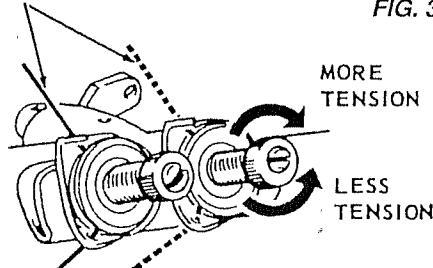
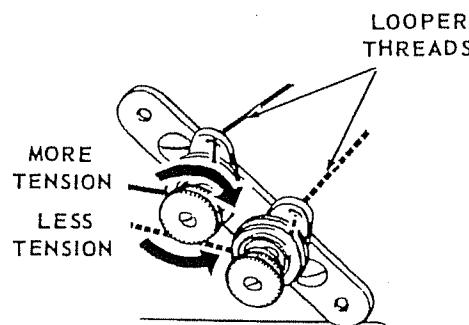


FIG. 3

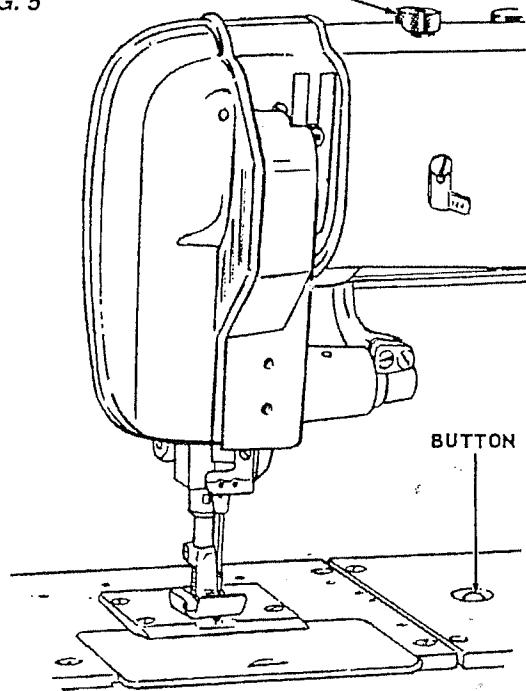
FIG. 4



LOOPER THREADS

PLUNGER

FIG. 5



TENSION

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

Needle Thread Tension

To regulate needle thread tension, turn thumb screw, indicated in Fig. 3, as required.

IMPORTANT: Regulate needle thread tension only when presser foot is down.

Looper Thread Tension

To regulate looper thread tension, turn thumb screws, indicated in Fig. 4, as may be required.

STITCH LENGTH

To adjust the stitch length, depress plunger, Fig. 5, located on top of arm. Continue to hold plunger down and turn machine pulley toward operator until plunger enters notch in arm shaft eccentric. Turn plunger to lock in position. Depress button, Fig. 5, located on machine bed. Hold down and turn machine pulley toward operator to increase length of stitch, or away from operator to decrease length of stitch. Letter "A" on machine pulley indicates the longest stitch. When desired length, indicated by letter, is opposite arrow on front of machine; release button and turn plunger to right or left until it springs outward.

CAUTION: Never turn machine pulley with plunger in locked position until button on machine bed is depressed.

PRESSURE

Pressure on material should be as light as possible while still sufficient to insure correct feeding.

Alternating Pressers

To increase pressure, loosen lower lock nut and loosen lock screw, then tighten upper lock nut, Fig. 6. When correct pressure is attained, tighten lock screw. Then tighten the lower lock nut. To decrease pressure, loosen upper lock nut and loosen lock screw, then tighten lower lock nut. When correct pressure is attained, tighten lock screw. Then tighten the upper lock nut.

CAUTION: Limit lift of pressers to minimum required for the work, as this permits higher speeds.

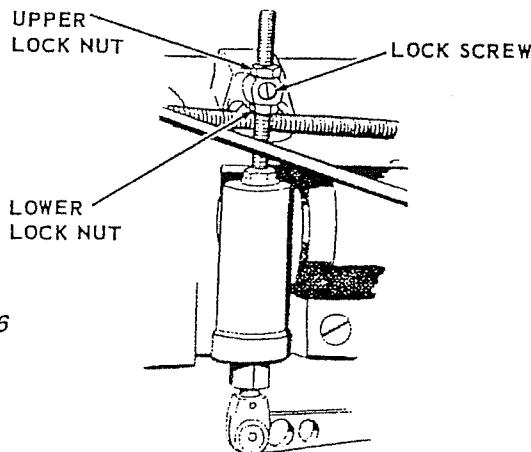


FIG. 6

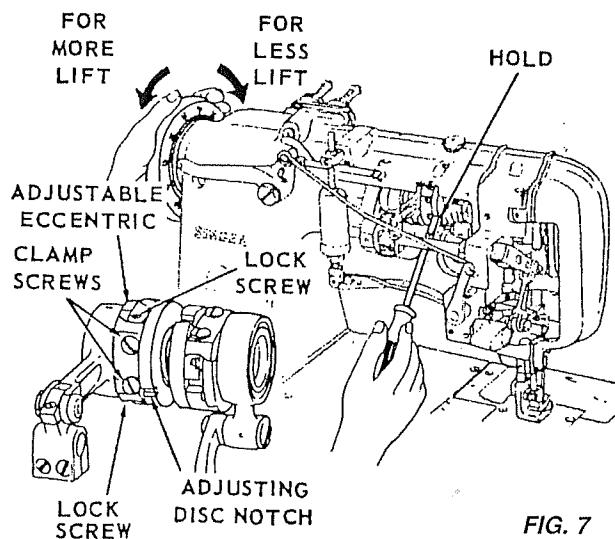


FIG. 7

Machines with Alternating Pressers

The lift of the vibrating and lifting pressers is controlled by an adjustable eccentric. To adjust, remove arm cover at rear of machine. Turn machine pulley over toward operator until feeding presser is down. Loosen the two lock screws, Fig. 7 and the two clamp screws. Insert screwdriver into notch of adjusting disc and turn machine pulley as indicated in Fig. 7. Then tighten the two clamp screws and the two lock screws.

When it is desirable to have either one of the pressers lift higher than the other, turn machine pulley over toward operator until the lifting presser is at its highest position. Loosen the two clamp screws, Fig. 8, and turn lifting rock shaft crank up or down until desired lift of each presser is attained. Then tighten the two clamp screws.

The vibrating presser should be timed so that under normal sewing conditions, the presser foot will seat on the material at approximately the same time the needle enters material. This timing can be advanced or retarded slightly depending on the type of operation being performed, such as sewing over seams. To adjust, loosen two holding screws, Fig. 8, not more than one half turn. Then turn the adjustable eccentric, Fig. 7, until the vibrating presser seats at the correct time. Securely tighten the two holding screws after adjustment is made.

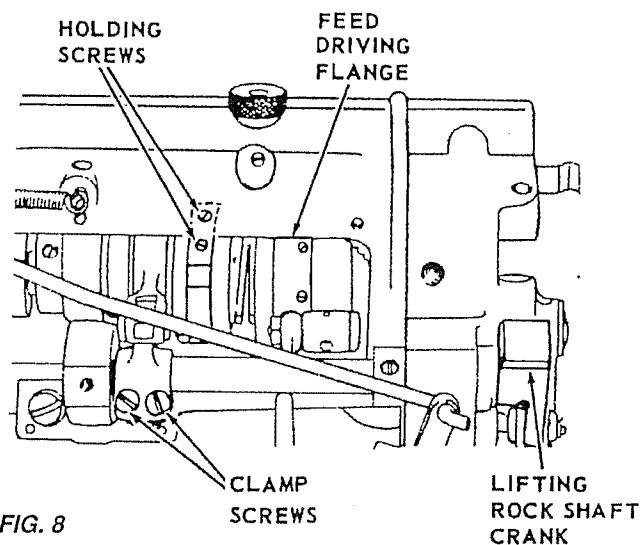


FIG. 8

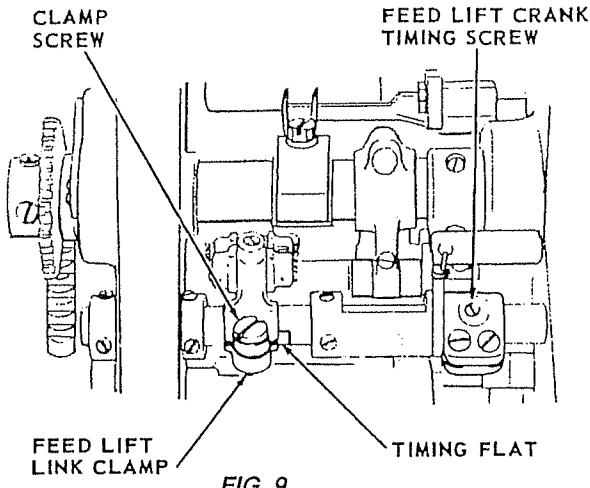


FIG. 9

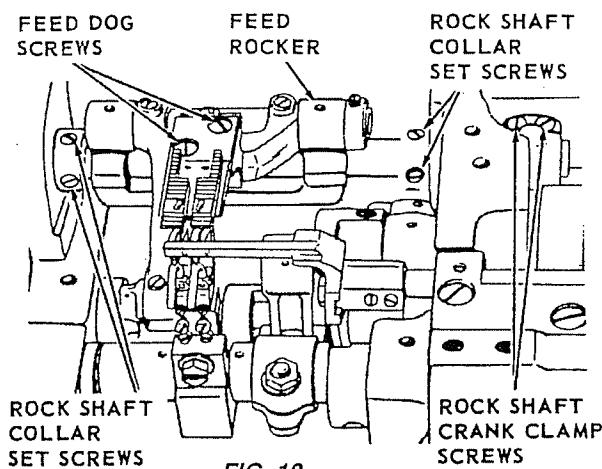


FIG. 10

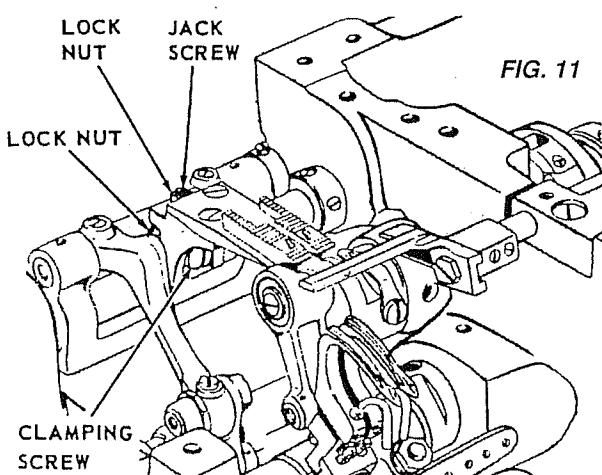


FIG. 11

TO SET FEED BAR AT CORRECT HEIGHT

When the feed bar is set at the correct height the feed lift link clamp will be aligned with the rock shaft timing flat. To adjust, make certain that the feed lifting crank timing screw, Fig. 9, engages shaft spot correctly. Loosen clamp screw and move the feed lift clamp link to correct position. Then tighten clamp screw.

CENTRALIZING FEED DOG

Sidewise Setting

Needle should enter needle hole of feed dog with the same clearance between the needle and left or right side of hole. To adjust, loosen feed dog screws, Fig. 10. Move feed dog until correct clearance is attained. Hold in position and tighten feed dog screws.

Additional adjustment, if necessary, may be attained by loosening the four rock shaft collar set screws, the two rock shaft crank clamp screws, Fig. 10, and feed lifting clamp screw, Fig. 9. Move complete assembly to required position and tighten screws.

Lengthwise Setting

The feed dog should clear the ends of the feed slots in the throat plate equally at both ends of feed travel. To adjust, set feed for desired stitch length. Loosen the two rock shaft crank clamp screws, Fig. 10. Move feed rocker forward or backward until correct positioning is attained. Then, tighten the two clamp screws.

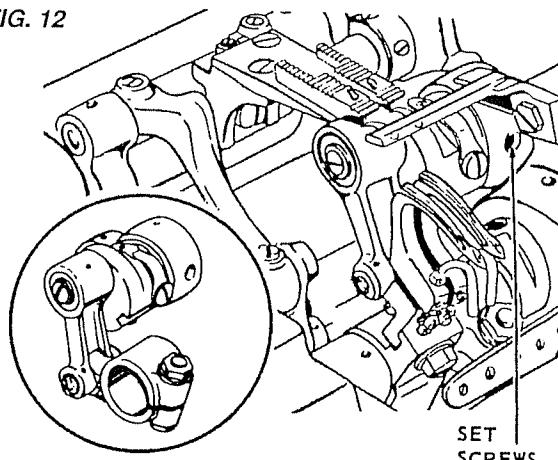
SETTING FEED DOG AT CORRECT HEIGHT

When the feed dog height is set correctly, approximately the full depth of the teeth will show above the throat plate. To adjust, loosen lock nuts, Fig. 11, and slightly loosen feed dog clamping screw. To raise feed dog, turn jack screw clockwise; to lower, turn jack screw counter-clockwise and tap feed dog down. When correct setting is attained, tighten the clamping screws and lock nuts.

TIMING FEED LIFT ECCENTRIC

When the feed dog is at its highest position, the top of the teeth should be parallel with, and project full depth of teeth above upper surface of throat plate. To adjust, insert screwdriver in hole in feed strap and loosen the two set screws, Fig. 12. Move feed lift eccentric forward for earlier rise of feed dog, or backwards for later rise. Then, tighten the two set screws.

FIG. 12



NEEDLE BAR POSITIONING

Needle should enter needle hole of feed dog toward the front, with approximately the same clearance between the front of the needle and the needle hole, as at the side. To adjust, press needle bar rock frame, Fig. 13, against drive arm and at the same time loosen the two driving arm clamp screws. Continue holding the rock frame against the drive arm, move needle bar to correct position and tighten the two clamp screws.

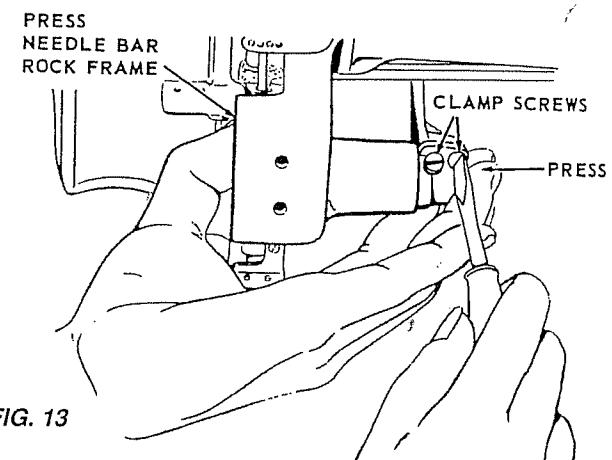


FIG. 13

POSITIONING LOOP DEFLECTOR

When loop deflector, located on underside of feed dog, is positioned correctly there should be a clearance of approximately $1/32$ inch between the right side of the needle and the loop deflector. To adjust, move looper out of sewing position and tilt machine back on its hinges. Loosen loop deflector screws, Fig. 14. Move deflectors toward rear of feed dog as far as the screw slots allow. Tighten slightly to allow for further adjustment. Return looper to sewing position and turn machine pulley until needle bar has descended to bottom of the needle bar stroke. Tap deflector to left or right until correct clearance is attained. Move looper out of sewing position and tighten loop deflector screws.

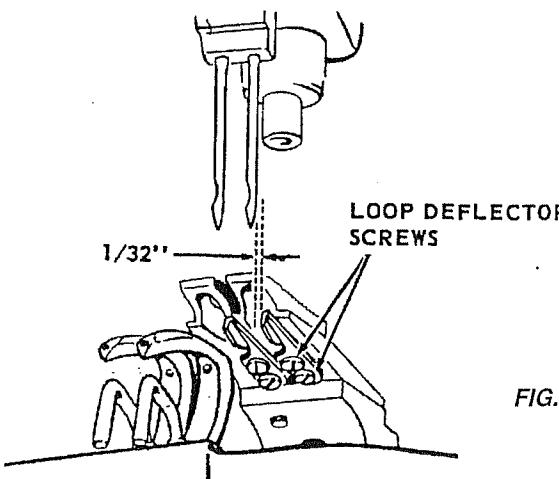


FIG. 14

SETTING THE LOOPER AT CORRECT DISTANCE FROM NEEDLE

FIG. 15

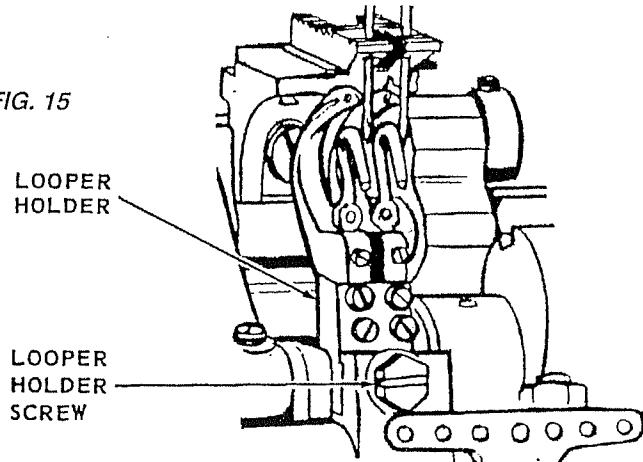
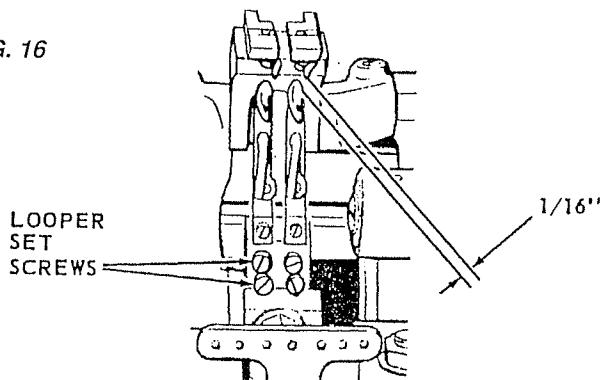


FIG. 16



Sidewise Setting

When the looper is correctly positioned, the point of the looper just clears the scarf of the needle on the forward stroke of the looper. To adjust, turn machine pulley until the looper point is directly opposite the center of the needle. Loosen looper holder screw, Fig. 15, and tap holder to left or right until correct clearance is attained. Then, securely tighten the looper holder screw.

Move looper to extreme forward position. Check clearance between heel of looper and loop deflector, Fig. 16, which should be approximately $1/16$ inch. To adjust, loosen the two looper set screws. Turn looper to left or right until correct clearance is attained. Hold in position and securely tighten the two set screws.

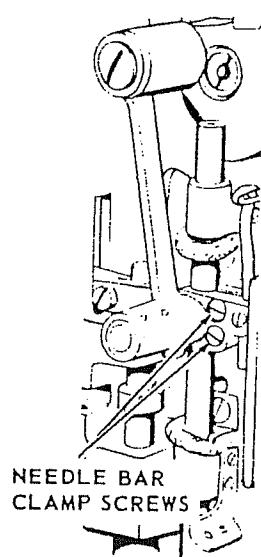
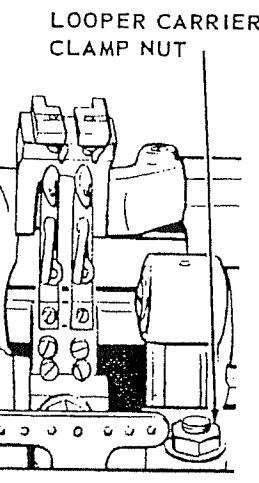


FIG. 17

FIG. 18

Lengthwise Setting and Setting Height of Needle Bar

When correctly set, the point of the looper should be directly opposite the center of the needle and at the center of the clearance above the eye of the needle when the looper timing mark LT on machine pulley is opposite the timing arrow on the arm.

To adjust the looper, loosen looper carrier clamping nut, Fig. 17. Move carrier forward or backward until looper point is directly opposite center of needle. Then tighten clamping nut.

To adjust needle bar, first make certain that needle is inserted up into the needle bar or clamp as far as possible. Loosen the two needle bar clamping screws, Fig. 18, and raise or lower needle bar to correct position. Then, securely tighten the two clamping screws.

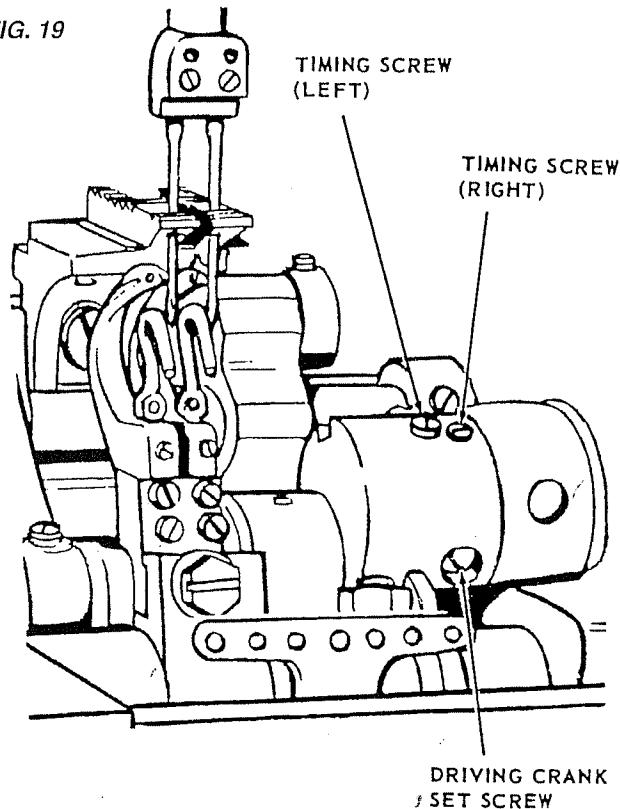
TIMING LOOPER DRIVING CRANK

When the looper driving crank is properly timed, the point of the looper will pass above the eye of the needle at the same distance on both the forward and backward strokes of the looper.

To adjust when point of looper passes higher on forward stroke, loosen looper driving crank set screw, Fig. 19. Loosen looper crank timing screw (left) approximately 1/8 turn and tighten looper crank timing screw (right). Continue to adjust until correct adjustment is made. Then, securely tighten set screw.

When point of looper passes higher on backward stroke, reverse the adjustment by loosening timing screw (right) and tightening timing screw (left).

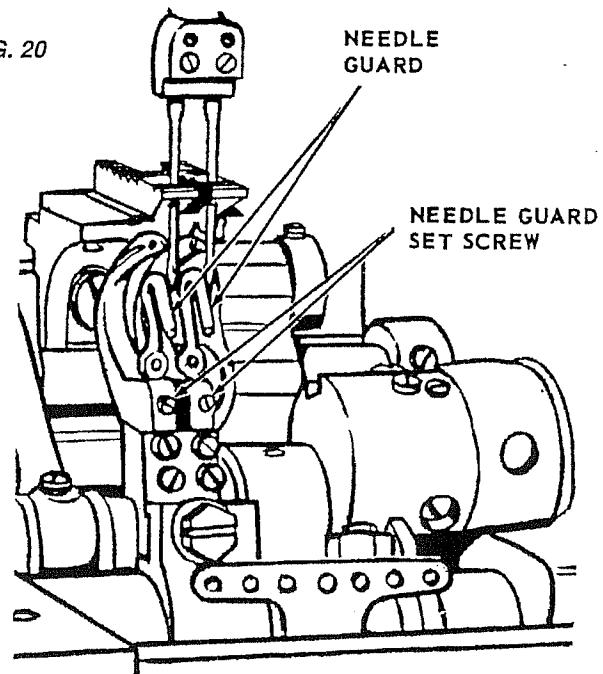
FIG. 19



SETTING THE NEEDLE GUARD

When needle guard is properly set, it should pass as closely as possible to the needle without touching. To adjust, turn machine pulley over towards operator until the point of the looper is about to pass the needle on its forward stroke. At this point, the looper timing mark LT on the machine pulley should be approximately 1/8 inch above the arrow on machine arm. Loosen needle guard set screws, Fig. 20. Turn needle guard as close to the needle as possible without touching. Tighten set screws. Check by springing the needle to the left and turning the machine pulley to make certain that the looper points do not stroke the needle.

FIG. 20



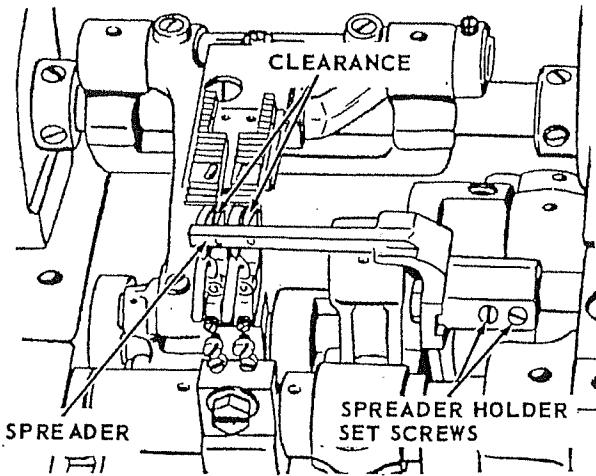


FIG. 21

POSITIONING SPREADER

Sidewise and Height Setting

When looper on its forward stroke is passing spreader:

The point of the spreader should be exactly opposite top of thread groove at left side of looper.

The clearance between spreader point and looper should be approximately the double thickness of ordinary paper.

To adjust, loosen the two spreader holder set screws, Fig. 21. Move spreader and holder to correct position. Hold in position and tighten the set screws.

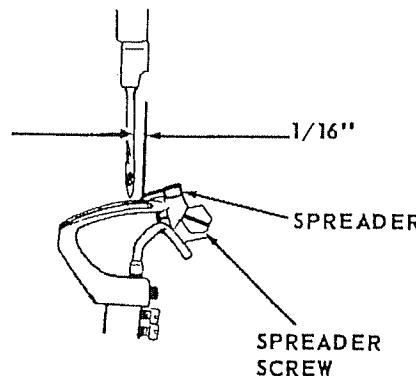
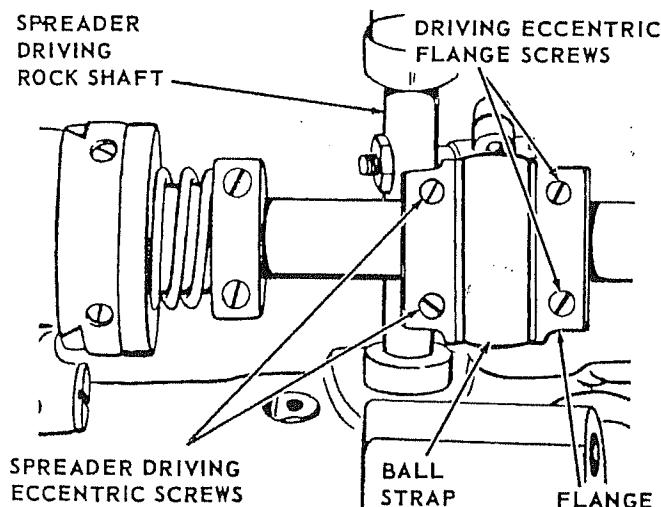


FIG. 22

Lengthwise Setting

When the point of the needle on its downward stroke is even with the point of the spreader, the clearance between the two points should be approximately 1/16 inch. To adjust, loosen spreader screw, Fig. 22, and move spreader forward or backward to correct position. Then tighten spreader screw.

FIG. 23



CHANGING MOVEMENT OF SPREADER

The sidewise movement of the spreader may be adjusted for sewing under abnormal conditions. Under normal conditions, maximum spreader movement is generally used. To adjust, tilt machine back on its hinges, loosen the two spreader driving eccentric screws, Fig. 23, and the two spreader driving eccentric flange screws. Move eccentric to left to increase movement, or to right to decrease movement. When correctly positioned, tighten the two spreader driving eccentric screws first, hold flange against strap and tighten flange screws. Then refer to preceding information regarding positioning of spreader.

CAUTION: When increasing sidewise movement, allow sufficient clearance between spreader driving rock shaft, Fig. 23, and left side of eccentric ball strap. They should not touch when eccentric ball stud is in its highest position.

ADJUSTING NEEDLE THREAD TAKE-UP

The needle thread take-up and thread guide may be adjusted to increase or decrease the amount of thread drawn at the top of the needle bar stroke. To increase the amount, loosen thread take-up set screw, Fig. 24, and raise take-up or loosen guide screw and lower the guide. To decrease the amount, reverse the adjustment by lowering the take-up or raising the guide.

For average sewing conditions, the guide should be set with upper end 5/8 inch above the guide screw. The thread take-up should be set with the lower end 1/2 inch below the bottom of its holder.

ADJUSTING NEEDLE THREAD TENSION RELEASER

When correctly adjusted, the tension releaser should release tension on the needle thread when the presser foot is raised and allow full adjusted tension when presser foot is down. To adjust, loosen set screw, Fig. 25, and move tension releaser cap out for earlier release of tension, or in for later release. Hold in position and tighten set screw. Should the tension releaser not release tension at the correct time after making the above adjustments, loosen the tension releaser plate screw and move plate sidewise to correct position. Then tighten screw.

ADJUSTING LOOPER THREAD TAKE-UP

The looper thread take-up and guide may be adjusted for handling more or less thread, according to thickness of material and length of stitch, and to change the ratio of looper thread in the finished stitch.

To change the amount of thread handled, loosen looper thread guide screw, Fig. 26, and looper thread take-up rod screw. Move thread guide and take-up rod to the left for more thread or to the right for less thread. Tighten the two screws making certain that take-up rod passes through the center of the guide yoke.

To change ratio of looper thread in finished stitch, loosen thread guide screw, Fig. 26, and lower the yoke or right end of thread guide for more thread. For less thread, raise end of guide. Hold in position and tighten guide screw.

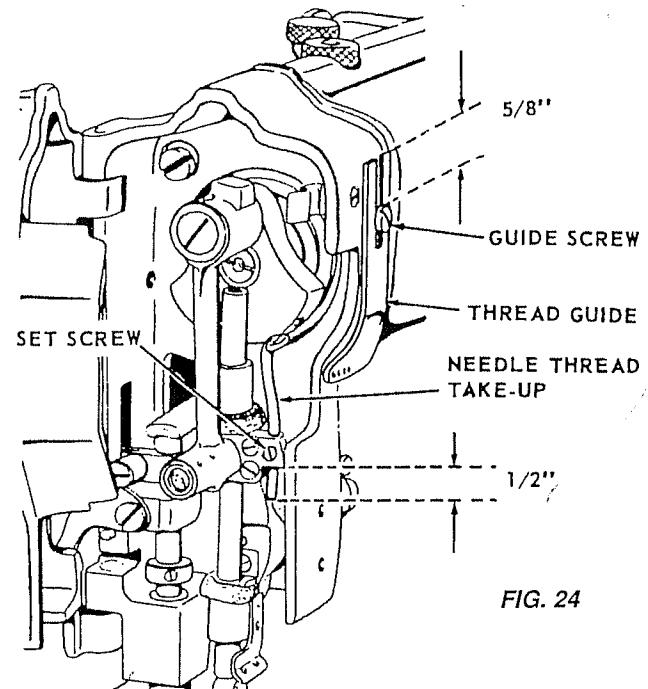


FIG. 24

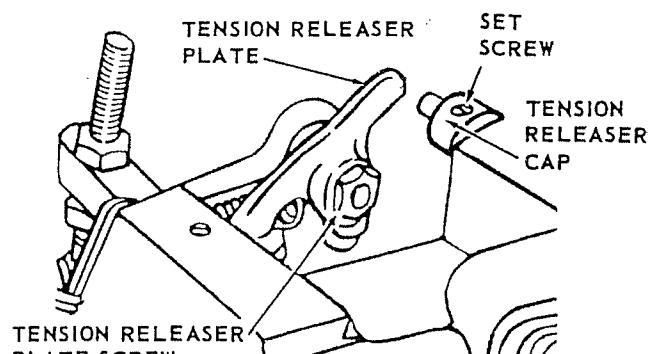


FIG. 25

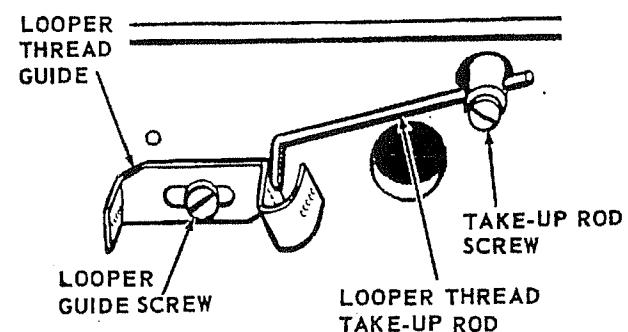


FIG. 26

OPERATING INSTRUCTIONS

The Porter Tape Edge Machine is designed to bind the full circumference of the mattress.

The heavy duty sewing head sews without bobbins and without interruption. It makes what is known as a 401 chain stitch using two threads. Due to the special construction of the sewing head, it sews with the walking feet close to the end of the arm. The binding tape is always under compression and requires a minimum of effort from the operator.

The PNR Tape Edge is provided with either 7/8" or 1 1/4" binder.

A combination of the head tilt and the power adjustment of the table height permits the closing of mattresses and cushions from 1" up to 11 1/4".

The clutch handle, located to the left of the starting switch, engages the carriage to the table. When the handle is vertical, the carriage is not in gear and will not move forward when the power is turned on.

When the clutch handle is in the horizontal position the carriage is engaged to the table and will move forward when the power is turned on.

To lock the carriage tight in place, there is a plunger type locking device located just below the clutch handle.

The general operation of the PNR Tape Edge is such that the forward movement of the carriage and the sewing head is governed by a knee pressure control. To move the carriage forward, the knee pressure is slowly released. By using this knee control, the operator has both hands free to handle the mattress top pad and border.

Once the mattress has been made ready for final assembly, it is placed on the PNR Tape Edge table. The operator should now properly set the table height for the thickness of the mattress. The table height can be adjusted by simply pulling the cord located just underneath the table top. Pull the cord to the right to raise the table and to the left to lower it.

Before starting to sew, the operator needs to lock the presser foot in the upper (open) position so that the

mattress panel and quilted border 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. This moves the presser foot down onto the material to be sewn. Again, the sewing head should be turned over by hand before sewing is to begin.

The operator should now move the clutch handle to the horizontal position to engage the carriage to the table. The operator will need to push the knee pad in before the power switch is turned on. This will prevent the carriage from traveling forward.

The operator can now withdraw the knee pressure gradually to move the carriage forward. If he needs to stop, he applies knee pressure on the pad to disengage the clutch.

The technique of a PNR Tape Edge operator is to handle the panel and the overedged border into the binder. When the material is well into the binder, the operator should be holding the panel and border several inches in front of the needle. As the sewing head travels toward the operator, his hands should continuously feed the panel and border into the binder. It is common that the inexperienced operator will stop the carriage every time he needs to move his hands. As experience is gained, longer stretches of tape will be sewn without stopping the machine. This experience will also help in making the corners.

In the PNR Tape Edge operation, the handling of the extra firm mattresses necessitate additional effort especially when the half way point is reached, because the mattress tightens up and is difficult to handle. At this point, it is essential for the operator to use the left elbow to draw the panel toward the needle to ease the pressure at the point of sewing. A combination of crawling fingers and the elbow technique aids in the non-stop sewing on the long seams.

The PNR Tape Edge is equipped with two motors. One is located at the bottom of the carriage to drive the carriage and the sewing head. The second is located under the table to raise and lower the table height depending upon the operator.

NOTICE TO OUR CUSTOMERS

PRICES AND TERMS

All prices are F.O.B. Beverly, MA, and are valid at the time of shipment.

All prices are list, unless otherwise noted.

Open account terms extended to firms with established credit.

All overseas orders must be paid before shipment.

TAXES

Where the law requires, state sales and/or use taxes must be charged.

SHIPPING

Please state how the shipment is to be made when ordering parts (UPS Red/Blue; Federal Express; Reg. UPS; air freight).

Freight charges are included in the invoice.

If a customer is on C.O.D. status, then shipping costs are included in the C.O.D. amount.

RETURNED GOODS

Porter Sewing has incorporated a policy on returned parts that must be strictly adhered to.

1. All customers must call Porter to obtain a RMA (Returned Material Authorization) number. Parts returned without a RMA number will be returned to the customer.
2. All parts to be returned must be shipped to Porter prepaid unless otherwise instructed by the Porter Parts Department.
3. Credit for parts will be issued upon inspection by Porter and credited against the account. Credit memos are not sent.
4. A restocking charge of 15% will be issued on parts ordered incorrectly by the customer.

CLAIMS

If a parcel post shipment reaches you in damaged condition, advise us immediately so that a claim can be filed. All parcel post packages are insured by Porter. If a truck, UPS or express shipment arrives damaged, request the driver to make a notation on the freight bill. If the damage was concealed at the time of delivery, call the carrier for an inspection and obtain a "DAMAGE REPORT". This is necessary in order to file a claim. In the case of truck lines, you must file the claim. We will give any needed assistance, but the carrier is responsible for the safe arrival of your goods.

MINIMUM ORDERS

Due to the rising costs of handling orders, we have established a minimum order of \$25.00.

ORDERING INFORMATION

Fax and Telex available 24 hours per day

To order by Fax: 1 (617) 599-70811

To order by phone : 1 800 343-8138

To order by Telex: 383818.

To order by mail: Porter Sewing Machines, Inc.
97 Rantoul Street
Beverly, MA 01915

NOTICE

To assist us in handling your order, please have the following information ready when ordering:

1. Customer Number
2. Bill to and Ship to addresses
3. Fax Number
5. Person placing order
6. Machine Model Number
7. Part Number or complete part description.

PART #	DESCRIPTION	PAGE #	PART #	DESCRIPTION	PAGE #
1562J	NUT	30	200377	SCREW	28
2102	FLANGE	27	200378	SCREW FOR 268142	24
2455	FLANGE	30	200380C	SCREW	24
10141	SPRING	30	200382C	SCREW	29
25362	BALL FOR 267718	23	200386C	SET SCREW FOR COLLAR 268072	24
32572	FLANGE	27	200394E	FEED LIFTING ECCENTRIC SET SCREW	29
32787	LIFTING CRANK	23	200403C	SCREW	31
50326	STUD	27	200416E	SCREW	30
51570	NUT	27	200417C	SCREW	25
54279	NEEDLE THREAD TENSION GUIDE DOUBLE	27	200507	SCREW	30
59537	BUSHING	27	200571D	SCREW	23
67425	LOOPER CARRIER CRANK WASHER	28	200573D	SCREW	29
131741	SPRING FOR NEEDLE THREAD TENSION	27	200578XC	SCREW	27
140321	SCREW FOR COLLAR # 167416	28	200583X	SCREW	23
167416	COLLAR	28	200650X	SCREW	25
200004E	SCREW	30	200928	SHOULDER SCREW	26
200043C	SCREW FOR 267638	25	200987	STUD	30
200047D	SCREW	24	201052	SCREW	27
200054C	LOOPER THREAD TUBE	27	201063D	HINGE PIN PINCH SCREW	24
200058C	SCREW FOR 267702 AND 267621	24	201160E	SCREW EYE	26
200061D	SCREW FOR 32787	23	201188C	SET SCREW FOR THREAD GUIDE	23
200061C	SCREW	29	201254C	SCREW	23
200064C	SCREW	29	201256C	SCREW	28
200064D	SCREW	31	201363C	SCREW	26
200066C	SCREW FOR 267629	23	201409F	SCREW	23
200069C	SCREW FOR PNR-438	23	201418C	SCREW	29
200078F	LOCKING SCREW FOR PNR-433A	23	201485C	SCREW	26
200078H	SCREW FOR 267604	25	201522E	NUT	29
200081C	SCREW FOR 267629	23	201524E	NUT	26
200082D	NEEDLE THREAD GUIDE SCREW	27	201526E	NUT	26
200089C	SCREW	28	201537	NUT	28
200095X	NEEDLE BAR CONN. LINK CAP WASH SCREW	23	201622	NUT	26
200098F	LOOPER THREAD TAKE-UP DRIVING CONN. SCREW	26	201736E	NUT	29
200100C	FEED DOG SCREW	28	202005	WASHER	30
200123D	CONNECTION CAP SCREW	29	204348	SPRING	26
200125F	SCREW FOR PNR-482	23	204365	SPRING	27
200167E	SCREW FOR 32787 AND 200167'E	23	204925	WASHER	29
200169B	SCREW	30	206133	WASHER	26
200173D	NEEDLE BAR OILING FELT HOLD. SCR.	23	208636	WASHER	28
200303H	LOOPER DRIVING CRANK OIL HOLE COVER SCREW	29	210805	WASHER	26
200342C	BALANCE WHEEL POSITION SCREW	24	224742	PIN	30
200337C	TOP SHAFT LOCK SET SCREW	25	225708	SPRING	30
200344C	SCREW	23	226206	RELEASING PIN	27
200346	SCREW FOR 268142	24	238089	PLATE PIN	26
200347C	BALANCE WHEEL LOCK SCREW	24	240245	SPRING	30
200351C	LIFT. PRESS. BAR GUIDE ROD SET SCR.	23	241763	BALL	24
200354C	SCREW	24	259549	BINDER	30
200362C	SCREW	25	267110	BEARING	24
200364	SCREW	29	267600	ARM CASTING	26
200373C	SCREW	25	267603	ARM SHAFT ASSEMBLY	24

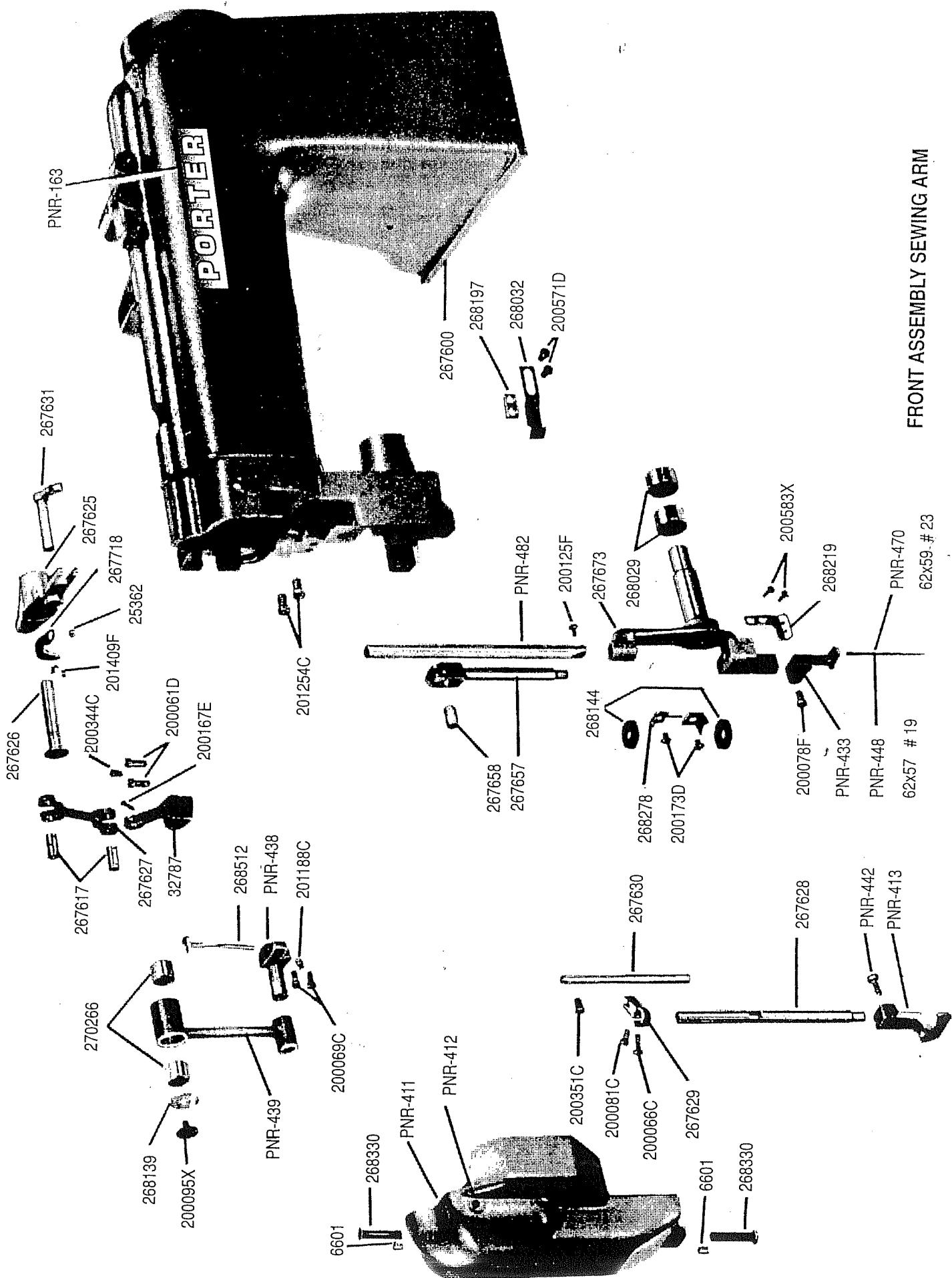
PART #	DESCRIPTION	PAGE #	PART #	DESCRIPTION	PAGE #
267609	CONNECTOR ASSY. INCLUDED 267608-271055	24	268064	LIFTING ECCENTRIC	24
267610	FEED DRIVING ECCENTRIC	24	268065	ADJ. FLANGE/398834 ASSY.& 398805 ASSY.	25
267612	FOOT LIFTER CRANK	25	268066	ADJUSTING FLANGE SPRING	29
267617	LIFTING ECC. CONNECTION HINGE PIN	23	268067	ADJUSTING FLANGE COLLAR	29
267618	LIFTING ECC. ADJUSTING DISC SPRING	24	268070	FEED DRIVING ROCK SHAFT	28
267619	CONNECTION FOR 267620 ASSEMBLY	24	268072	COLLAR REPLACED BY 167416	24
267620	ASSEMBLY INCLUDING 268063 AND 267619	24	268073	FEED DRIVING ROCK SHAFT CRANK	29
267621	LIFTING ECCENTRIC CONN. CRANK	24	268074	FEED DRIVING CONNECTION	29
267622	LIFTING ECCENTRIC FLANGE	24	268075	FEED LIFTING CRANK	28
267623	GIB FOR 398834 ASSY. & 398805 ASSY.	24	268078	FEED LIFTING LINK	28
267624	LIFTING ECCENTRIC SPACING COLLAR	24	268079	FEED LIFTING LINK HINGE PIN	28
267625	LIFTING LEVER	23	268080	FEED LIFTING ROCK SHAFT	28
267626	LIFTING LEVER LINK STUD	23	268081	FEED REGULATING STUD	30
267627	LIFTING LEVER LINK	23	268082	FEED REGULATING STUD SOCKET	30
267628	LIFTING PRESSER BAR	23	268102	LOOPER DRIVING CRANK OIL HOLE COVER	29
267629	LIFTING PRESSER BAR GUIDE BLOCK	23	268121	NEEDLE THREAD TENS. BRKT. SPRING COLLAR	27
267630	LIFTING PRESSER BAR GUIDE ROD	23	268123	LOOPER THREAD TUBE	27
267631	LIFTING PRESSER BAR LIFTING CRANK	23	268124	LOOPER THREAD TUBE CLAMP	27
267633	LIFTING ROCK SHAFT FOR 267634 ASSY.	25	268139	NEEDLE BAR CONN. LINK CAP WASHER	23
267634	LIFTING ROCK SHAFT 267633 W/2022,267636	25	268142	NEEDLE BAR CRANK	24
267636	LIFTING ROCK SHAFT AS PART OF 267634	25	268144	NEEDLE BAR OILING FELT	23
267638	NEEDLE BAR ROCK FRAME DRIVING ARM	25	268150	NEEDLE BAR ROCK FR. REG. STUD	25
267639	NEEDLE BAR ROCK FR. DRIV. ECC. FLANGE	24	268162	SPREADER POINT	31
267650	PRESS. BAR SPRING HOUSING SUPP. RET.	26	268167	NEEDLE THREAD TENSION BRACKET	27
267657	VIBRATING PRESSER BAR	23	268168	NEEDLE THREAD TENSION RELEASE	27
267658	VIBRATING PRESSER BAR HINGE STUD	23	268169	NEEDLE THREAD TENSION RELEASE CAP	27
267665	LOOP DEFLECTOR FOR 267664 FEED DOG	28	268185	SPREADER HOLDER	31
267673	NEEDLE BAR ROCK FRAME	23	268187	SPREADER DRIVING CRANK	31
267702	FOOT LIFTER ARM	25	268190	SPREADER DRIVING PIN	31
267704	FOOT LIFTER LEVER ROD	26	268197	FACE PLATE LOCK SPRING PLATE	23
267707	NEEDLE THREAD TENS. REL. PLATE ADJ.	26	268198	FEED LIFTING ROCK SHAFT CRANK	29
267714	PRESSER BAR PRESSURE CYLINDER SUPPORT	26	268208	LOOPER CARRIER CRANK HINGE PIN	28
267718	PRESSER BAR SPRING ARM	23	268214	ARM SHAFT OIL STOP BALL	29
267738	LEVER	26	268216	LOOPER DRIVING CONNECTION ASSEMBLER	28
268004	ARM SHAFT BALL BEARING BACK HOUSING	24	268219	NEEDLE BAR ROCK FRAME THREAD GUIDE	23
268005	ARM SHAFT BALL BEARING FRONT	24	268220	THRUST WASHER	29
268008	FLANGE FOR TOP SHAFT	24	268233	SPREADER DRIVING CONNECTOR	29
268029	NEEDLE BEARING	23	268265	BED SHAFT OIL CONTROL ROD (WOOD)	29
268032	FACE PLATE LOCK SPRING	23	268277	LOOPER DRIVING CRANK	29
268044	ARM SHAFT OIL STOP BALL SPRING (REAR)	29			
268045	SPREADER DRIVING ECCENTRIC	29			
268046	SPREADER DRIVING ECC. COUNTER BALANCE	29			
268047	FEED LIFTING ECCENTRIC	29			
268048	BALANCE WHEEL	24			
268049	ASSY. INCLUDING 268048,200-347-200342	24			
268051	LOOPER THREAD GUIDE	30			
268052	LOOPER THREAD TAKE-UP ROD	31			
268053	SPREADER DRIVING ROCK SHAFT	31			
268061	PULLER FEED DRIVING CONNECTION	29			
268062	PIN	25			
268063	BEARING FOR 267619 ASSY. 267620	24			

PART #	DESCRIPTION	PAGE #	PART #	DESCRIPTION	PAGE #
PNR-96A	CLUTCH ECCENTRIC, STEEL	37	PNR-338	WIRE	
PNR-97	ECCENTRIC SLEEVE, STEEL	37	PNR-339	WIRE	
PNR-98	MOTOR PIVOT BASE, STEEL	37	PNR-340	WIRING DIAGRAM (TABLE-1 PHASE)	
PNR-99	TOOL TRAY, STEEL WELDMENT	35	PNR-351	LEVER SWITCH SEGMENT	41
PNR-100	TAPE WEIGHT-STEEL		PNR-352	BRACKET - VERTICAL	40
PNR-101	MOTOR PIVOT SHAFT, STEEL	35	PNR-353	STUD	40
PNR-102	KNEE PAD PLATE,STEEL	35	PNR-354	BRACKET - ELEVATING MOTOR	40
PNR-104	KNEE PLATE PAD, DOUBLE SPONGE RUBBER	35	PNR-355	LIFTING LEVER HINGE STUD	
PNR-105	ROUND SIDE COVER, STEEL	34	PNR-356	CHAIN	40
PNR-106	THREAD SPOOL BRACKET, STEEL	34	PNR-372	WIRE	
PNR-107	RECTANGULAR REAR COVER, STEEL	35	PNR-392	HARNESS-TABLE WIRING-UNIVERSAL	
PNR-108	FULL REAR COVER, STEEL	35	PNR-393	WIRING DIAGRAM-TABLE-3 PHASE	
PNR-109	HEAD DR. SHEAVE (PULLEY) COVER, STEEL	34	PNR-394	SET SCREW	
PNR-375	HEAD DRIVE IDLER SHEAVE (PULLEY), ST.	37	PNR-396	BRACKET - SPECIAL - ADDIT. IDLER	
PNR-112	CLUTCH RELEASE ARM GUIDE SCREW, STEEL	37	PNR-401	SEWING MACHINE BED, ALUMINUM	28
PNR-115	WIRE SWITCH TO PNR-134 BLACK PLAST. CVR.		PNR-402	BED PLATE, LEFT, STEEL	30
PNR-116	WIRE (SWITCH TO #1309)		PNR-403	PRESS. FT. LIFT LEVER SCR., STEEL	27
PNR-117	WIRE (SWITCH TO MOTOR),BLK. PLASTIC CVR.		PNR-405	BED SHAFT, STEEL	29
PNR-120	MOTOR	36	PNR-406	BED SHAFT, OIL PLUG, STEEL	29
PNR-123	BRACKET SHIM	36	PNR-407	BED PLATE, RIGHT, STEEL	30
PNR-125	KEY, STEEL (PNR9 TO PNR-22)	37	PNR-408	HEAD SHEAVE (GROOVED PULLEY), STEEL	29
PNR-132	HEATERS		PNR-409	PLATE OILER ASSEMBLY	30
PNR-133	RECEPTACLE COVER PLATE, STEEL	34	PNR-410	COVER PLATE, STEEL	30
PNR-146	ELECTRICAL BOX (FOR PNR 149)	35	PNR-411	FACE PLÁTE, ALUMINUM	23
PNR-147	TRANSFORMER	35	PNR-412	FACE PLATE, PIN, STEEL	23
PNR-148	WIRE #1921A TO PNR14,& PNR147 TO#1309	35	PNR-413	PRESSER FOOT, STEEL	23
PNR-149	TRANSFORMER (SPECIAL)	35	PNR-414	SIDE BED COVER, STEEL	30
PNR-156	EXT.-TAPE REEL PIN,COPPER TUBING LAMP	30	PNR-415	THREAD GUARD, STEEL	30
PNR-157	HINGE PIN	33	PNR-416	GASKET, VELLUMOID	30
PNR-163	DECAL)	35	PNR-417	BINDER PIVOT STUD STEEL	30
PNR-164	LAMP	26	PNR-418	LOOPER ROCKER SHAFT BUSHING-STEEL	28
PNR-165	SLEEVE WORM SPACER	32	PNR-419	LOOPER ROCKER SHAFT, STEEL	28
PNR-166	SLEEVE WORM SPACER-SHEAVE SIDE	32	PNR-420	SPREADER BAR, STEEL	31
PNR-167	CAP GEAR BOX, LARGE	32	PNR-421	FEED DOG, STEEL	28
PNR-168	NUT WORM SHAFT	32	PNR-423	FEED DOG ADAPTER, STEEL	28
PNR-300	TAPE ASSEMBLY	41	PNR-424	THROAT PLATE, STEEL	30
PNR-301	LEG, STEEL (W/PNR-301 SUB.1-5)	41	PNR-425	PRESSER FOOT LIFTING ROD STEEL	26
PNR-846	RAIL WELDMNT ASSY. , STEEL	41	PNR-426	PRESSER FOOT LIFTING LEVER, STEEL	27
PNR-303	BUSHING, BRONZE (FOR PNR-311)	41	PNR-427	LIFT. LEVER LATCH PLATE, STEEL	27
PNR-847	RACK AND RAIL ASSEMBLY (SUB.)	41	PNR-428	LOOPER CARRIER, STEEL	28
PNR-306	LOWER SIDE RAIL, STEEL	41	PNR-429	COLLAR	28
PNR-307	LOWER END RAIL, STEEL	40	PNR-430	THREAD GUIDE, STEEL	30
PNR-308	REVERSING SWITCH SASH CORD, 20 FT. LONG	41	PNR-431	OILWICK ASSEMBLY, YARN	27
PNR-310	ELEVATING LIMIT SWITCH TRIP, STEEL	40	PNR-432	FEED DOG LIFTING SHANK, STEEL	28
PNR-311	ELEVATING SCREW, STEEL	41	PNR-433	VIBRATING PRESSER FOOT, STEEL	23
PNR-312	ELEVATING SPROCKET, STEEL	41			
PNR-313	ELEVATING SPROCKET,RETAINING, STEEL	41			
PNR-315	TABLE ELEVATING DR. SPROCKET (ON MOTOR)	41			
PNR-316	MOTOR REDUCTION UNIT	40			
PNR-318	ELEVATING LIMIT SWITCH BRKT., STEEL	41			
PNR-322	BRACKET-ELEVATING LIMIT SWITCH	40			
PNR-331	WIRE, #1 TERM, TO #3 TERM				

PART #	DESCRIPTION	PAGE #	PART #	DESCRIPTION	PAGE #
160	SCREW,STEEL		1309	FLUSH BASE-FEMALE	
164	COMPRESSION ELBOW		1318	OIL GAUGE	
172	SCREW		1360	NIPPLE, STEEL (UTILITY BOX TO MOTOR)	
174	NUT, STEEL		1367	OIL CUP	
177	SCREW, STEEL		1542	RETAINING RING, STEEL	
181	WASHER, STEEL, SPECIAL		1630	RETAINING RING, STEEL	
193	LOCKWASHER, STEEL		1632	LOCKWASHER, STEEL, SPECIAL	
198	KEY, STEEL		1633	SCREW, STEEL	
199	SCREW		1634	BUSHING, BRONZE	
214	SCREW		1635	COLLAR, STEEL	
229	BOLT		1636	SCREW, STEEL	
234	WASHER,ST.-SPEC. (FOR PNR-89)		1637	SCREW, STEEL	
238	LOCKWASHER, STEEL		1638	SCREW, STEEL	
261	SCREW, STEEL		1640	SCREW, STEEL	
262	PIPE PLUG, STEEL		1641	SET SCREW, STEEL	
268	SCREW, STEEL		1642	SET SCREW, STEEL	
270	NUT, STEEL		1643	LOCKWASHER, STEEL, SPECIAL	
282	NUT, STEEL		1645	PIN, STEEL	
302	SCREW		1647	RIVET, STEEL	
319	NUT, STEEL		1648	BALL JOINT W/ MALE AND FEM. ENDS	
331	NUT, STEEL		1650	NEEDLE BEARING, STEEL	
350	SCREW, STEEL		1651	SCREW, STEEL	
353	SCREW		1655	THUMB SCREW, STEEL	
356	SET SCREW, STEEL		1661	MICRO SW., SINGLE PH./TABLE PNR-318N	
364	SCREW		1665	SCREW	
367	WASHER		1685	CONDUIT	
368	SCREW, STEEL		1687	SET SCREW	
416	SCREW, STEEL		1688	SET SCREW	
418	SCREW		1711	SCREW	
428	PIPE PLUG		1720	FLUSH BASE, MALE	
446	SCREW, STEEL		1721	REVERSING SWITCH	
494	SCREW, STEEL		1722	COVER, UTILITY BOX	
500	SCREW, STEEL		1723	CONNECTOR BODY, FEMALE (4 WIRE)	
522	SCREW		1725	UTILITY BOX	
525	SCREW		1743	WIRE CAP	
645	TAPER PIN		1752	NUT FOR WIRE CONNECTOR	
648	LOCK WASHER		1773	WIRE CAP	
694	SCREW, STEEL		1854	BEARING	
705	SCREW, STEEL		1909	CONNECTOR	
746	SCREW, STEEL		1911	SCREW	
749	SCREW, STEEL		1921A	SWITCH	
751	SCREW, STEEL		1922	TRANSFORMER	
760	SCREW, STEEL		1959	REDUCER	
771	SCREW, STEEL		1992	SWITCH ENCLOSURE	
813	WASHER, STEEL		1994	KNOB (PLASTIC)	
815	LOCKWASHER, STEEL		2036	BEARING FOR CASTER ROLLER	
877	SCREW, STEEL		2076	CONNECTING LINK	
1028	FLEXIBLE CONDUIT (BOX TO BOX)		2084	LAMP	
1028	FLEXIBLE CONDUIT (SWITCH BOX TO MOTOR)		2126	ROMEX CONNECTOR	
1132	STEEL CONNECTOR		2127	CONNECTOR	
1153	VERT. SHAFT UPPER BEARING W/ COLLAR		2306	SCREW, STEEL	
1307	MALE CAP WITH CORD GRIP		2438	PIPE PLUG (VENT)	

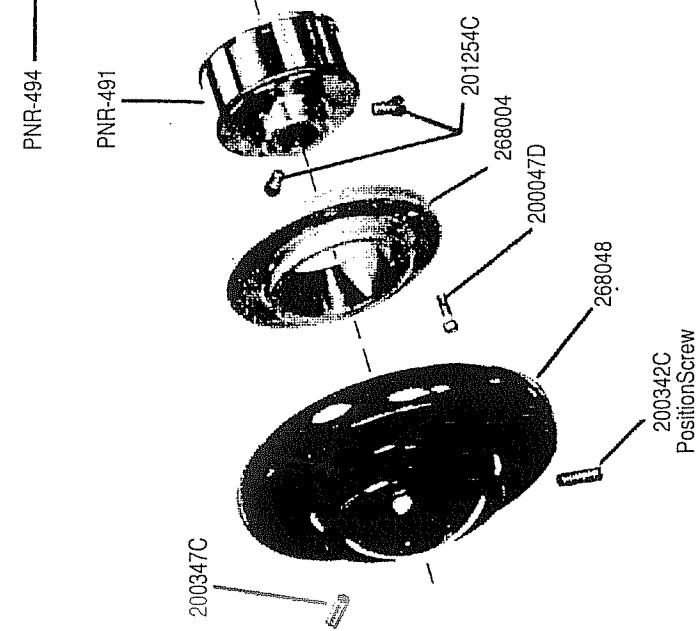
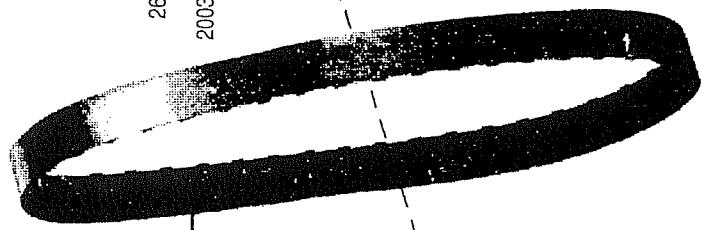
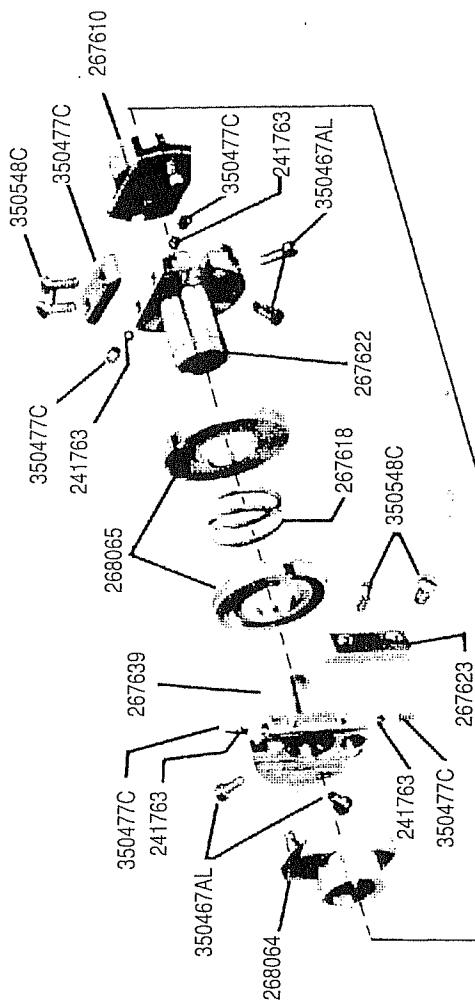
PART #	DESCRIPTION	PAGE #	PART #	DESCRIPTION	PAGE #	
2466	HOSE CLAMP		6753	SCREW, STEEL, SOCKET		
2472	CONTACT KIT (REP. PARTS)		7019	LOCK NUT, STEEL		
2814	LIMIT SWITCH		7024	BX CONNECTORS		
2839	CABLE		7100	SET SCREW, STEEL		
2989	SEAL		7102	SCREW, STEEL		
3060	LUBRICANT/(PNR-3-T GEAR BOX)		7106	ROLL PIN, STEEL		
3100	SET SCREW		7114	SCREW, STEEL		
3236	BOLT		7123	CLIP		
3901	VALVE		7136	CONNECTOR (REV. SWITCH & UTILITY BOX		
4237	CABLE TIE		7151	REV. SWITCH CORD SHEAVE WHEEL, STEEL		
4676	BEARINGS		7152	SET SCREW, STEEL (FOR DOWEL #1644)		
4678	BEARINGS		7172	SET SCREW		
5108	SPRING PLUNGER		7177	ROLL PIN, STEEL		
5182	NAME STICKER		7199	DOWEL PIN, STEEL (BED TO ARM)		
5711	SCREW		7220	SET SCREW, STEEL		
5744	SCREW, STEEL		7221	SET SCREW, STEEL		
5763	SCREW		7233	SET SCREW, STEEL HEX, SOCKET		
5887	JAM NUT, STEEL		7245	ELEVATING THRUST BEARING, STEEL		
5893	SCREW, STEEL		7253	ROLL PIN		
5988	JAM NUT, STEEL		7283	OIL CUP COVER		
5997	JAM NUT, STEEL		7368	SET SCREW, STEEL		
6018	SCREW		7485	BEARING		
6034	SCREW, STEEL		7508	CLIP		
6067	JAM NUT, STEEL		14462	KEY, STEEL		
6076	LOCKWASHER		14625N	REPLACEMENT KEY		
6139	JAM NUT, STEEL		16561	KEY, STEEL		
6171	WASHER, STEEL		6663	WIRE, 3 PHASE LINE TO TABL		
6201	SET SCREW		PNR - ACCESSORY PARTS			
6205	SCREW, STEEL		PNR-721	EXTENSION - TABLE		
6219	SCREW		PNR-724	STOP - TABLE EXTENSION		
6243	SCREW, STEEL		PNR-727	CHAIN - EXTENSION STOP		
6266	SET SCREW, STEEL		2466	CLAMP - STOR (FOR PNR-721-N)		
6287	JAM NUT, STEEL		SPECIAL PIPING ATTACHMENT			
6315	SCREW		PART #	DESCRIPTION		
6348	RETAINING RING, STEEL		PNR-449A	PLATE FOR 1 3/8 BINDER (1 7/16 TAPE)		
6357	NUT		PNR-450A	3/8 BINDER - PIPER 1 7/16 TAPE & ROVING		
6360	NUT		PNR-457	PIPING SUPPORT		
6373	WASHER, STEEL		PNR-458	PIPING GUIDE RING BRACKET		
6410	SET SCREW, STEEL		PNR-459	BRACKET PIPING REEL HOLDER		
6451	NUT, STEEL		PNR-460	STUD-PIPING REEL HOLDER BRKT.		
6493	CAP SCREW, STEEL		PNR-461	PIPING REEL HOLDER		
6494	SCREW, STEEL		PNR-474	BODY - TAPE TENSION		
6526	SET SCREW, STEEL		PNR-475	PLATE - TAPE TENSION		
6531	SET SCREW, STEEL		PNR-478	BASE PLATE PIPING GUIDE		
6601	SET SCREW, STEEL		PNR-480	ASSEMBLY - PIPING GUIDE		
6631	SCREW, STEEL		364	SCREW		
6633	SCREW, STEEL		648	LOCKWASHER		
6645	SCREW		877	SCREW		
6657	SCREW					
6678	LOCKWASHER, STEEL, SPECIAL					
6731	DOWEL PIN, STEEL					
6748	SET SCREW					

PART #	DESCRIPTION	PAGE #	PART #	DESCRIPTION	PAGE #
1073	SCREW		115	NUT	
1774	SCREW		116	LOCKWASHER	
1841	SCREW		119	WASHER	
1990	ROLL PIN		120	LOCKWASHER	
2171	MACHINE SCREW		151	BOLT	
6067	NUT		232	BOLT (UTS21 TO UTS11)	
6219	SCREW - TAPE TENSION ADJUSTING		273	BOLT	
7230	SCREW		282	NUT	
PN-21B	NUT TAPE TENS. LOCK (COTTON TUFTER PT.)		287	BOLT	
PSM-163A	SPRING - TAPE TENSION		301	SCREW (BRG. TO UTS 2 COLUMN)	
UNDER TABLE SWIVEL					
PUTS 2	ELEVATOR - UNDER TABLE SWIVEL		372	NUT	
PUTS 3	SUPPORT - TABLE TOP		393	BOLT	
PUTS 4	ELEVATING SCREW		500	SCREW	
PUTS 5	ELEVATING NUT		522	SCREW	
PUTS 6	SPROCKET - ELEVATING SCREW		691	BOLT	
PUTS 11	BRUSH BLOCK		815	LOCKWASHER	
PUTS 12	BRUSH ASSEMBLY		1027	CONNECTOR	
PUTS 13	BRUSH		1028	CONDUIT	
PUTS 14	BRUSH CAP		1058	ARM SLIP RING CLOSURE/44 1/2 WIDE TABLE	
PUTS 15	BRUSH HOLDER		1132	CONNECTOR W/NUT, FLEXIBLE	
PUTS 16	INSULATING SHEET		1360	CHASE NIPPLE	
PUTS 17	SLIP RING		1471	FITTING	
PUTS 18	SPACER BUTTON		1661	MICROSWITCH	
PUTS 19	ELEVATOR INSULATOR		1685	FLEXIBLE CONDUIT	
PUTS 20	SPRING - BRUSH HOLDER CONTACT		1686	90 CONNECTOR	
PUTS 21	COVER - TOP & BOTTOM		1689	UTILITY BOX	
PUTS 22	ENCLOSURE - SLIP RING		1721	REVERSING SWITCH	
PUTS 23	COVER - ENCLOSURE		1722	COVER	
PUTS 24	FELT - COVER SEAL		1725	UTILITY BOX	
PUTS 25	ROD - SLIP RING CLOSURE		1909	CONNECTOR	
PUTS 26	SLEEVE - BEARING SPACER		1981	CONNECTOR	
PUTS 27	STUD - SLIP RING CONTACT		2558	TAPER PIN	
PUTS 28	BRACKET - REVERSING SWITCH		2953	CORD SLIP RING CLOSURE SWIVEL	
PUTS 29	EXTENSION - SWITCH SHAFT		3059	SCREW	
PUTS 31	BRACKET - EXTENSION CORD		3080	90 ELBOW	
PUTS 32	BRACKET - EXTENSION CORD - SHORT		5702	BOLT (BRG. TO UTS 21 COVER)	
PUTS 33	GUARD - EXTENSION CHAIN		5857	ARM - SLIP RING CLOSURE	
PUTS 35	TUBE - EXTENSION CORD		6050	SET SCREW	
PUTS 41	WIRE		6076	LOCKWASHER	
PUTS 42	WIRE		6171	WASHER	
PUTS 43	WIRE		6360	NUT	
PUTS 44	WIRE		6427	SCREW	
PUTS 45	BRACKET - FLEXIBLE CONDUIT		6451	NUT	
PUTS 46	WIRE		6526	SET SCREW	
PUTS 47	WIRE		6574	SCREW	
PUTS 48	WIRE		6657	SCREW	
PUTS 49	WIRE		7019	LOCKNUT	
102	LOCKWASHER		7024	CONNECTOR	
106	NUT		7131	COVER	
			7136	CONNECTOR W/ NUT	
			7221	SET SCREW	
			7485	BEARING	

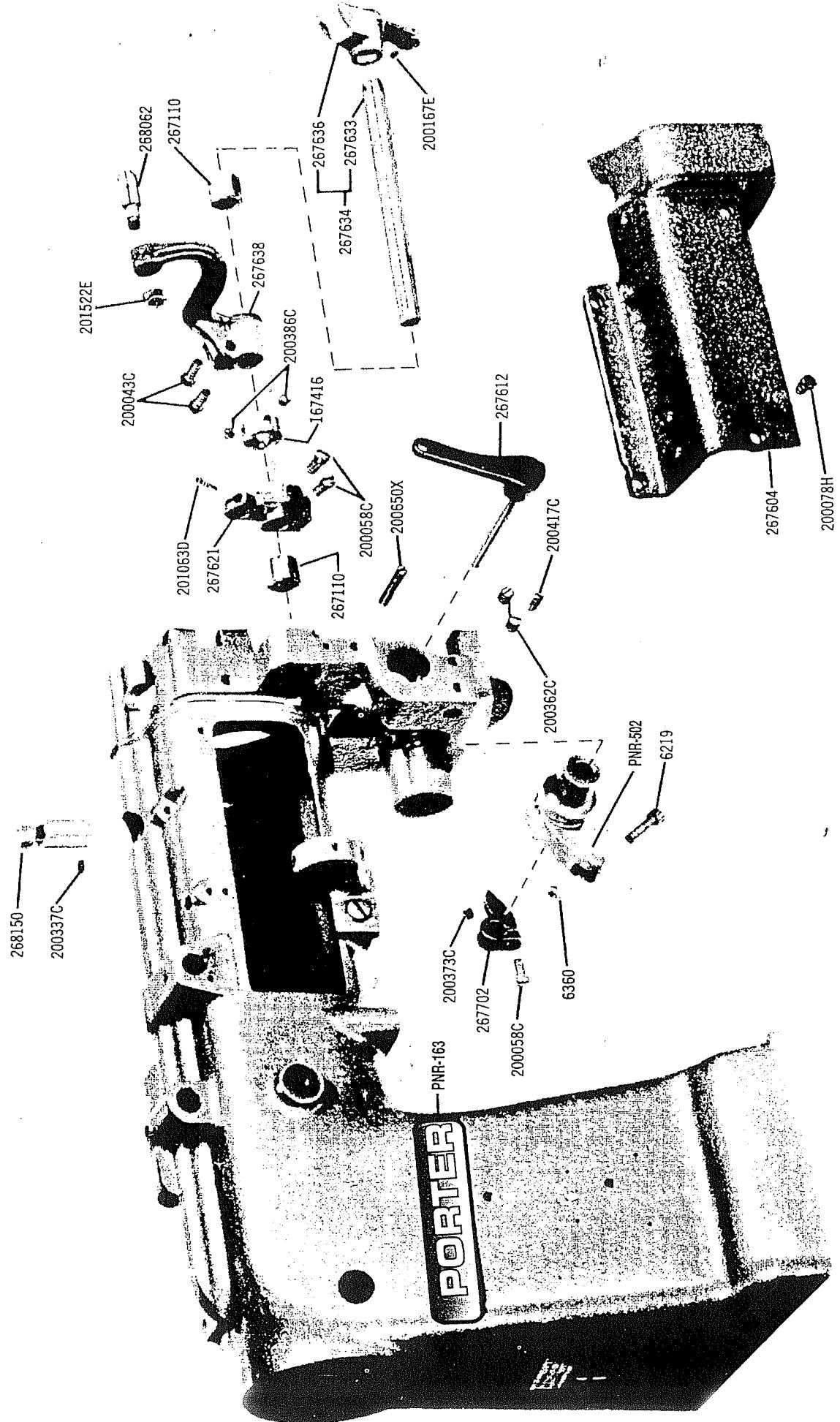


FRONT ASSEMBLY SEWING ARM

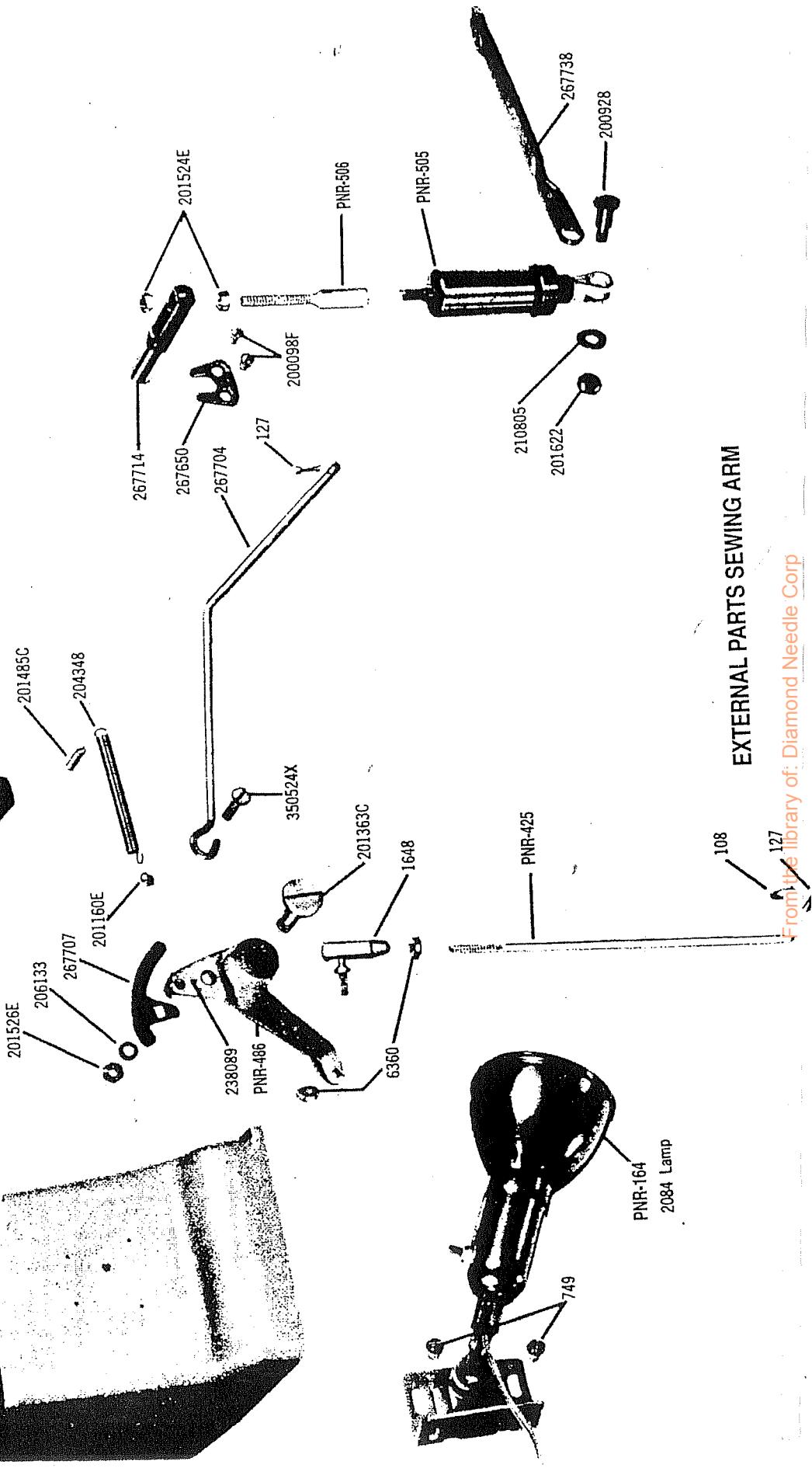
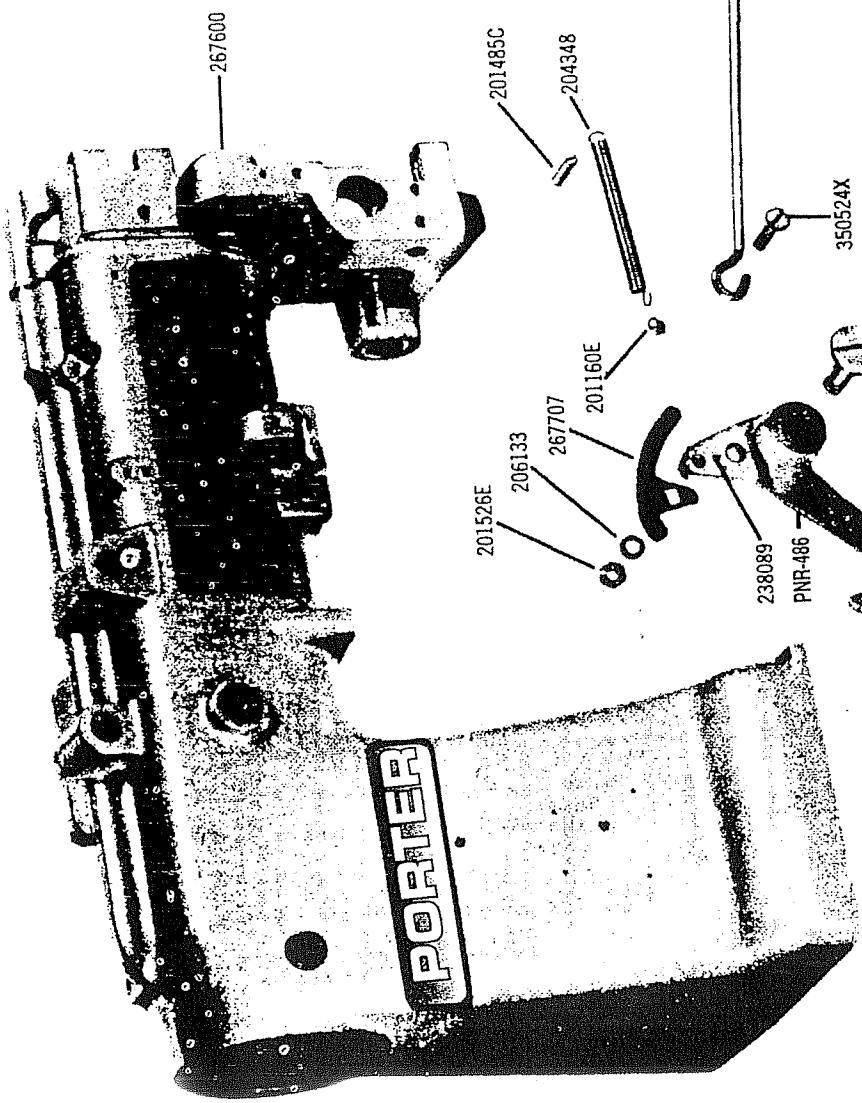
UPPER SHAFT ASSEMBLY



From the library of: Diamond Needles Corp
200354C
200370

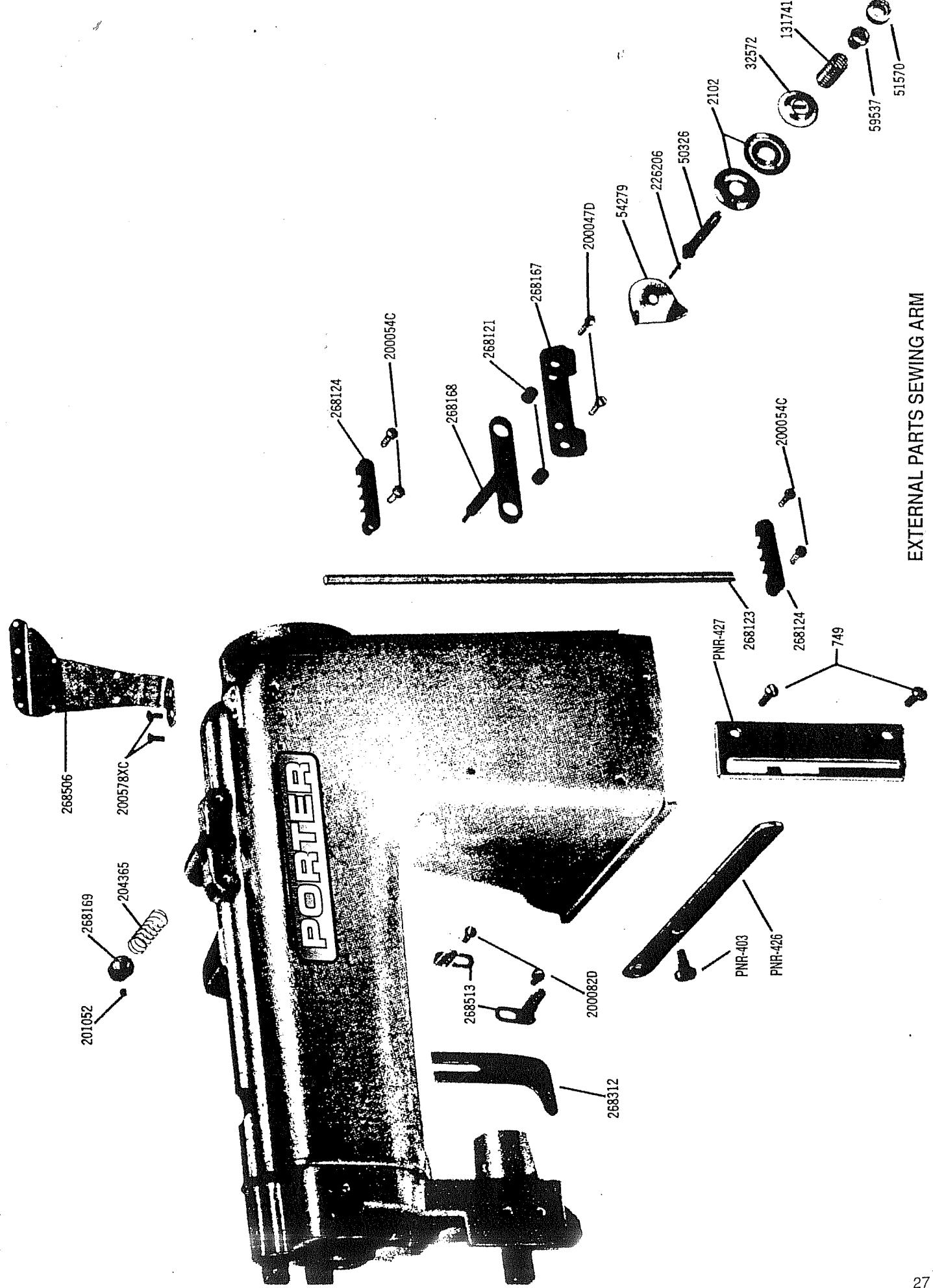


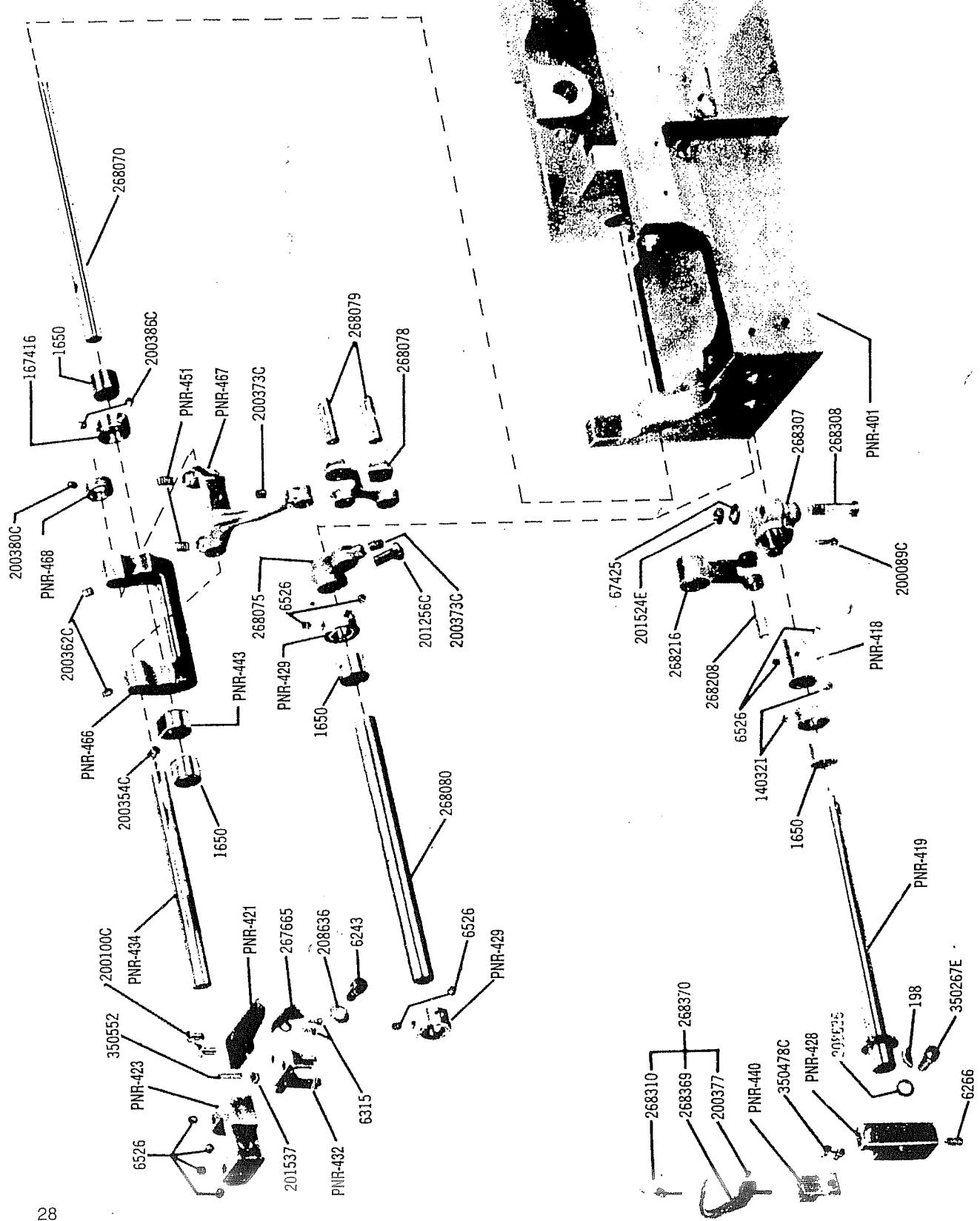
EXTERNAL PARTS SEWING ARM



EXTERNAL PARTS SEWING ARM

From the library of Diamond Needle Corp

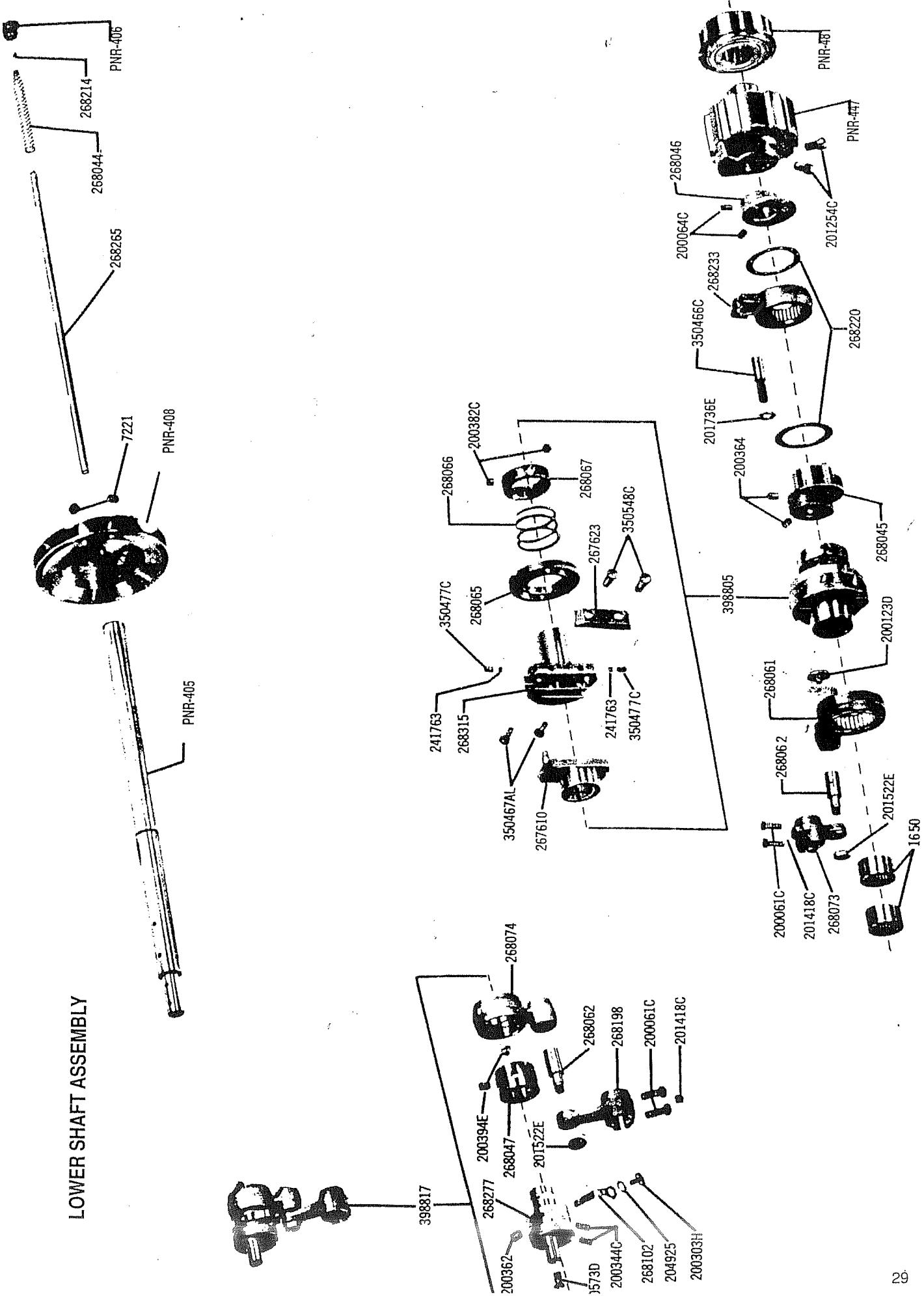




FRONT ASSEMBLY SEWING BED

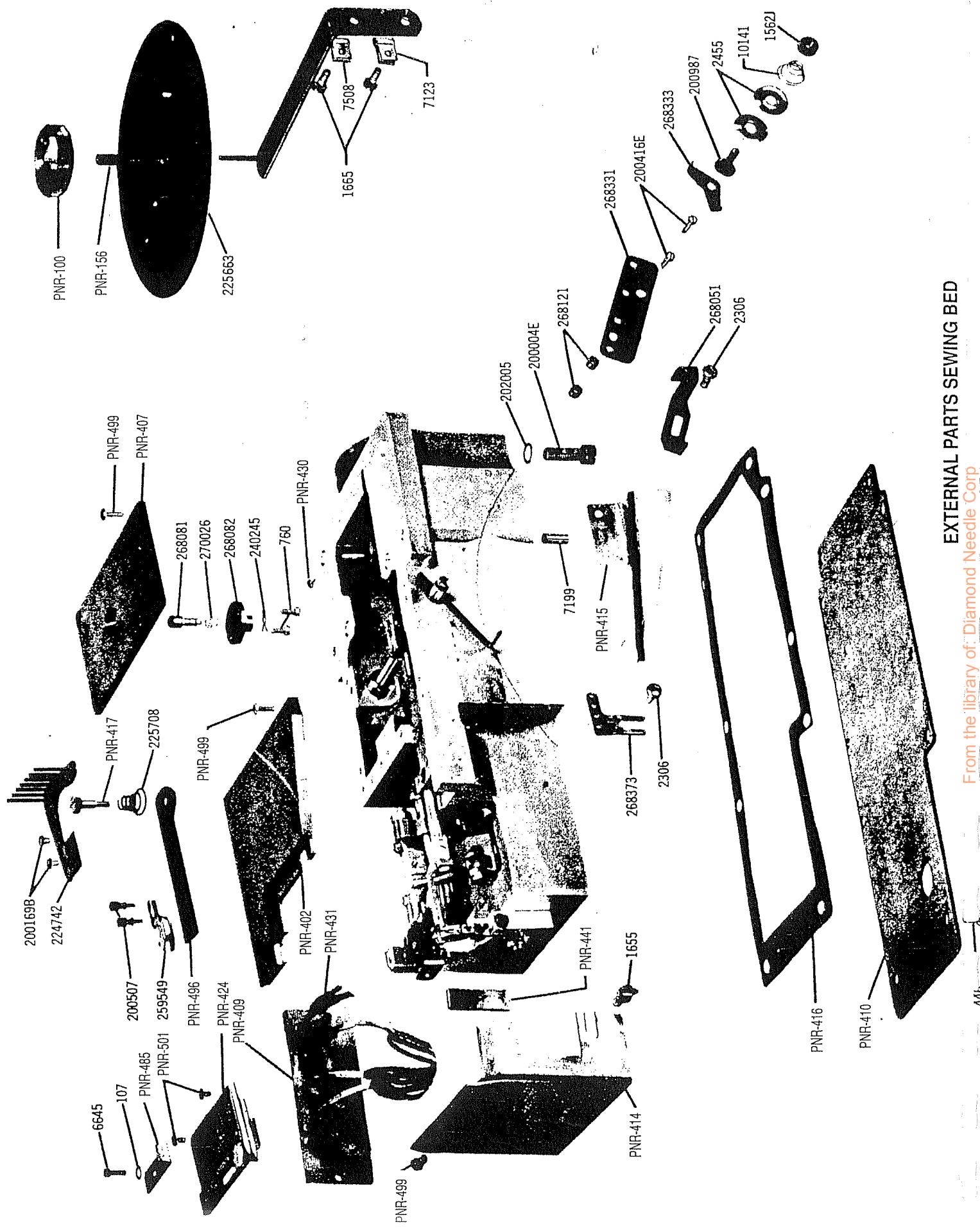
From the library of: Diamond Needle Corp

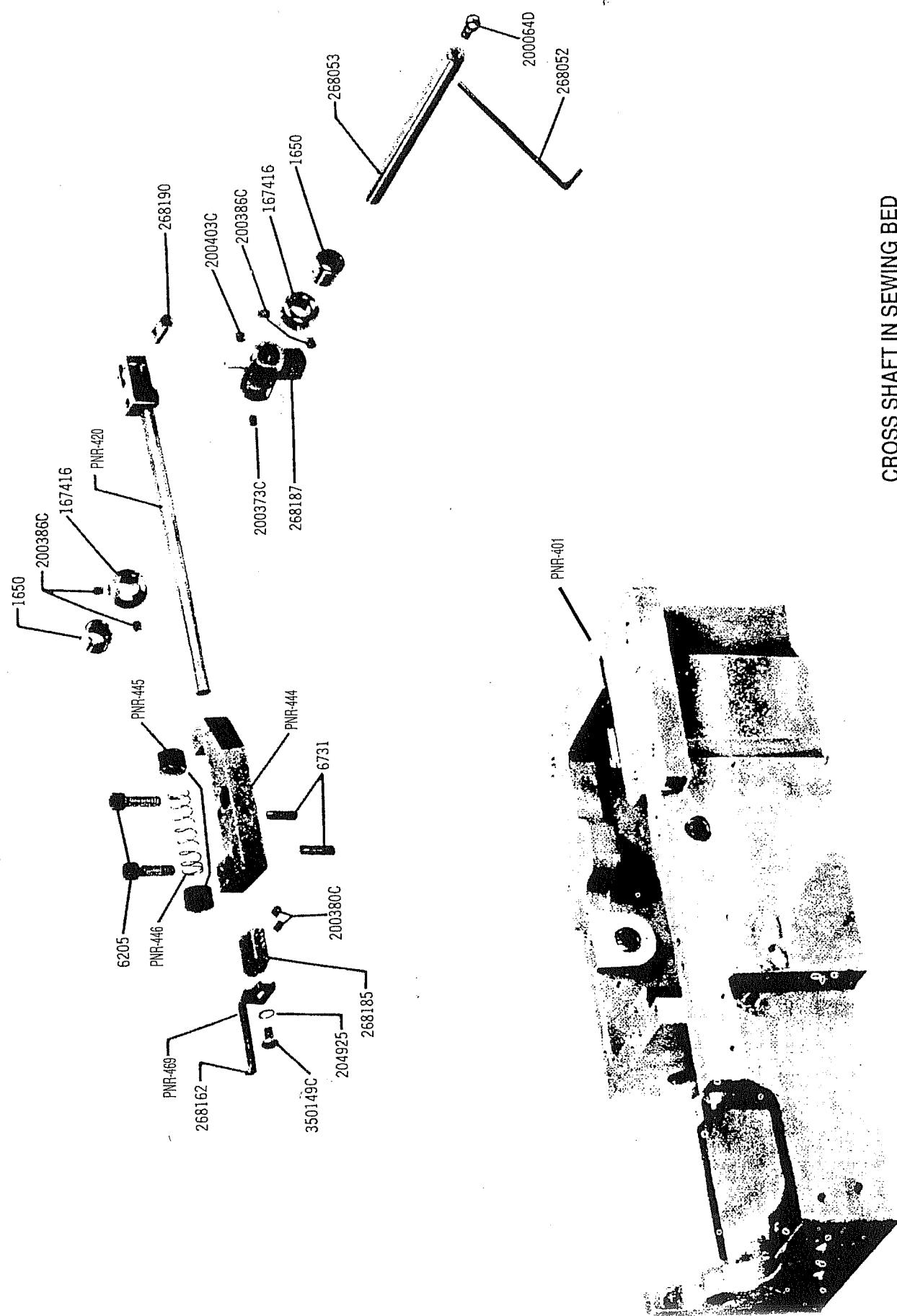
LOWER SHAFT ASSEMBLY



EXTERNAL PARTS SEWING BED

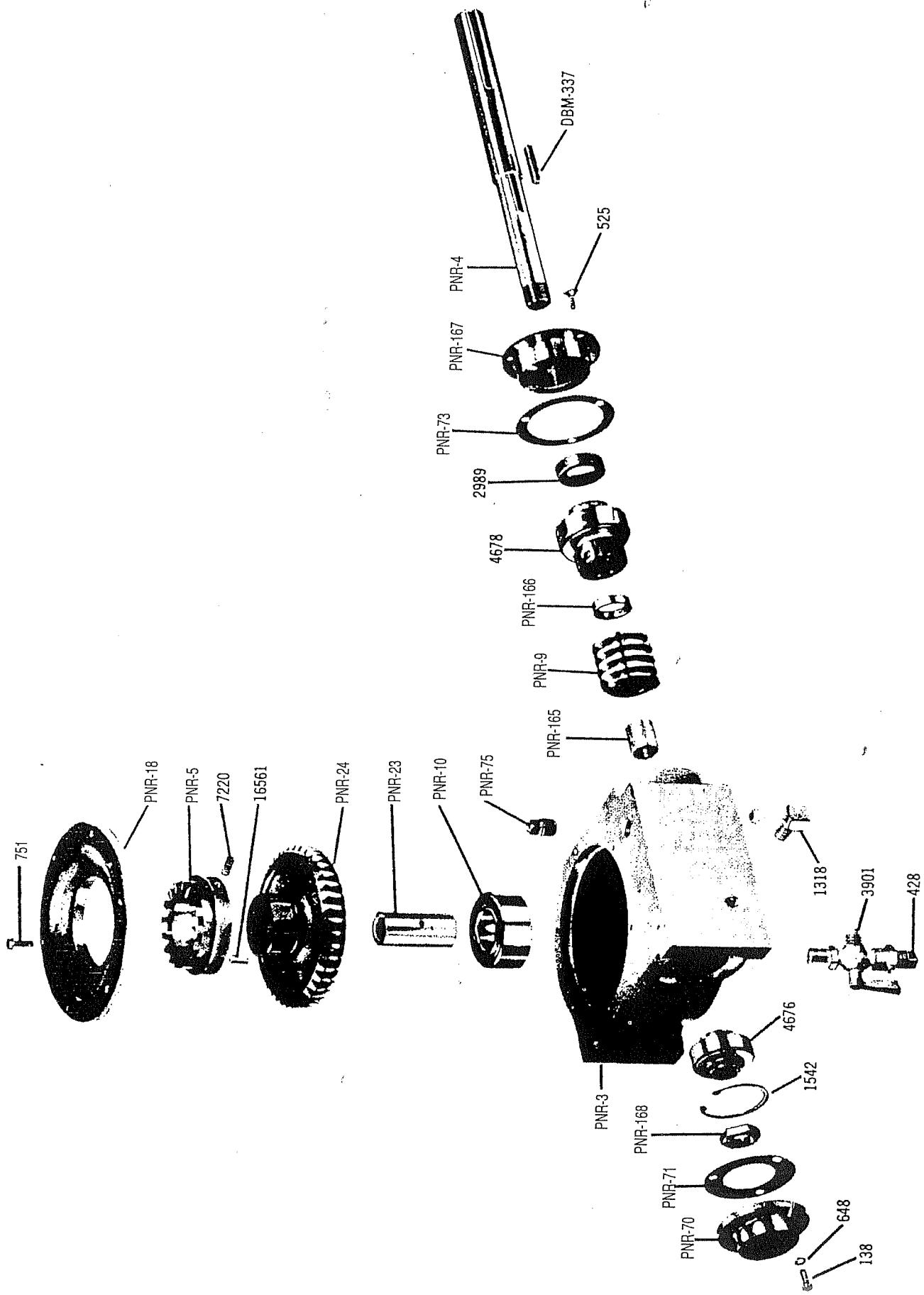
From the library of: Diamond Needles Corp



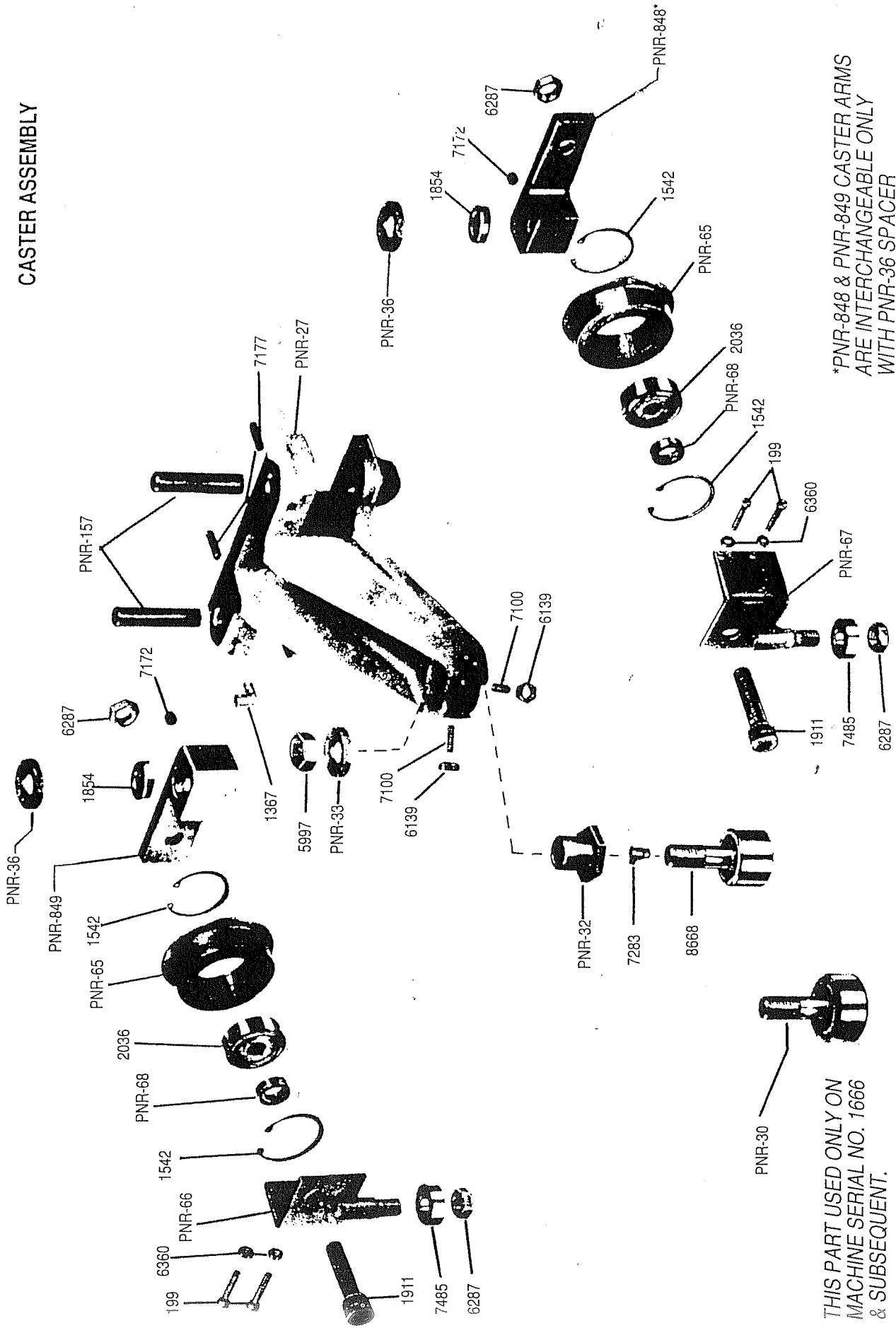


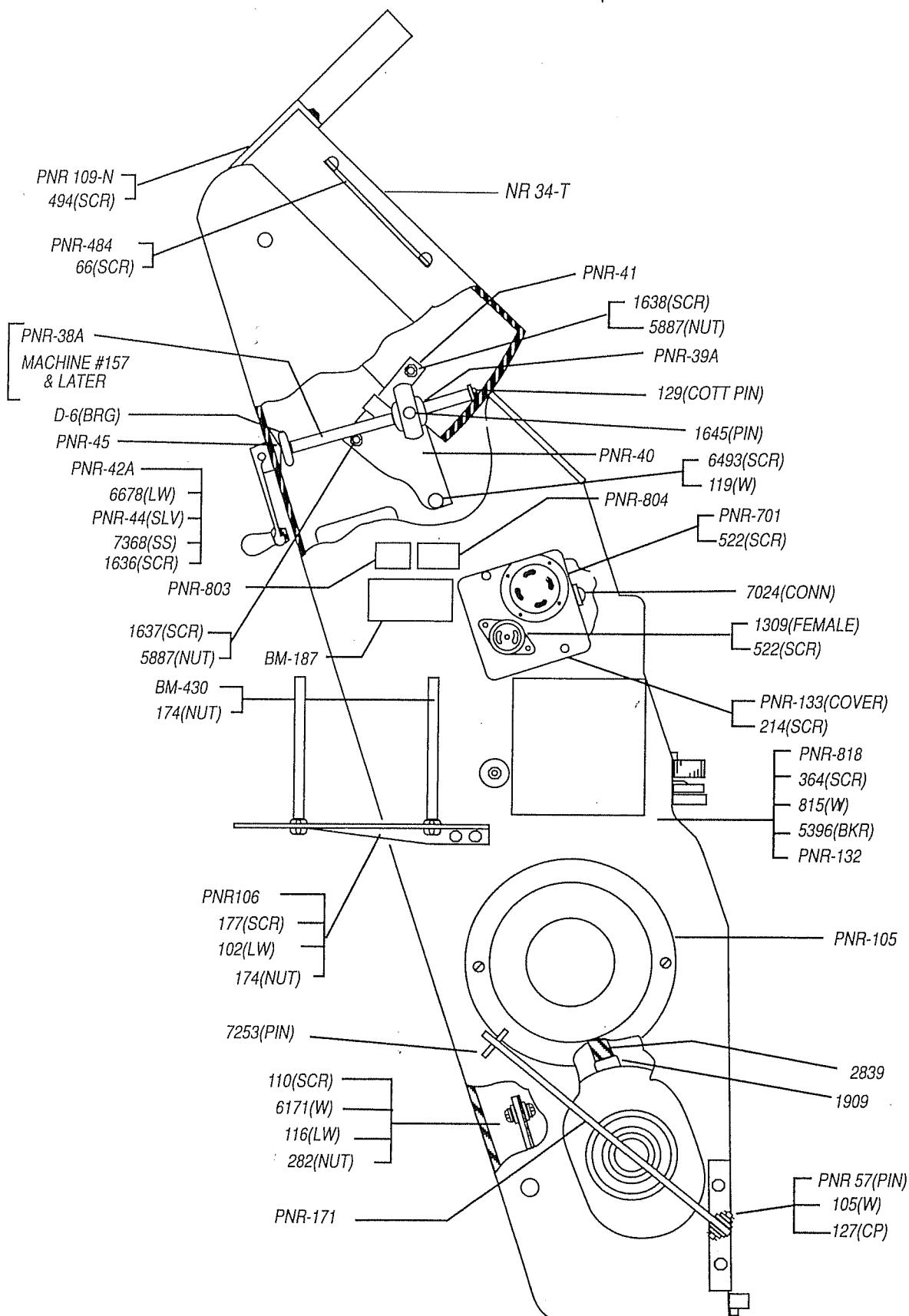
CROSS SHAFT IN SEWING BED

GEAR BOX ASSEMBLY

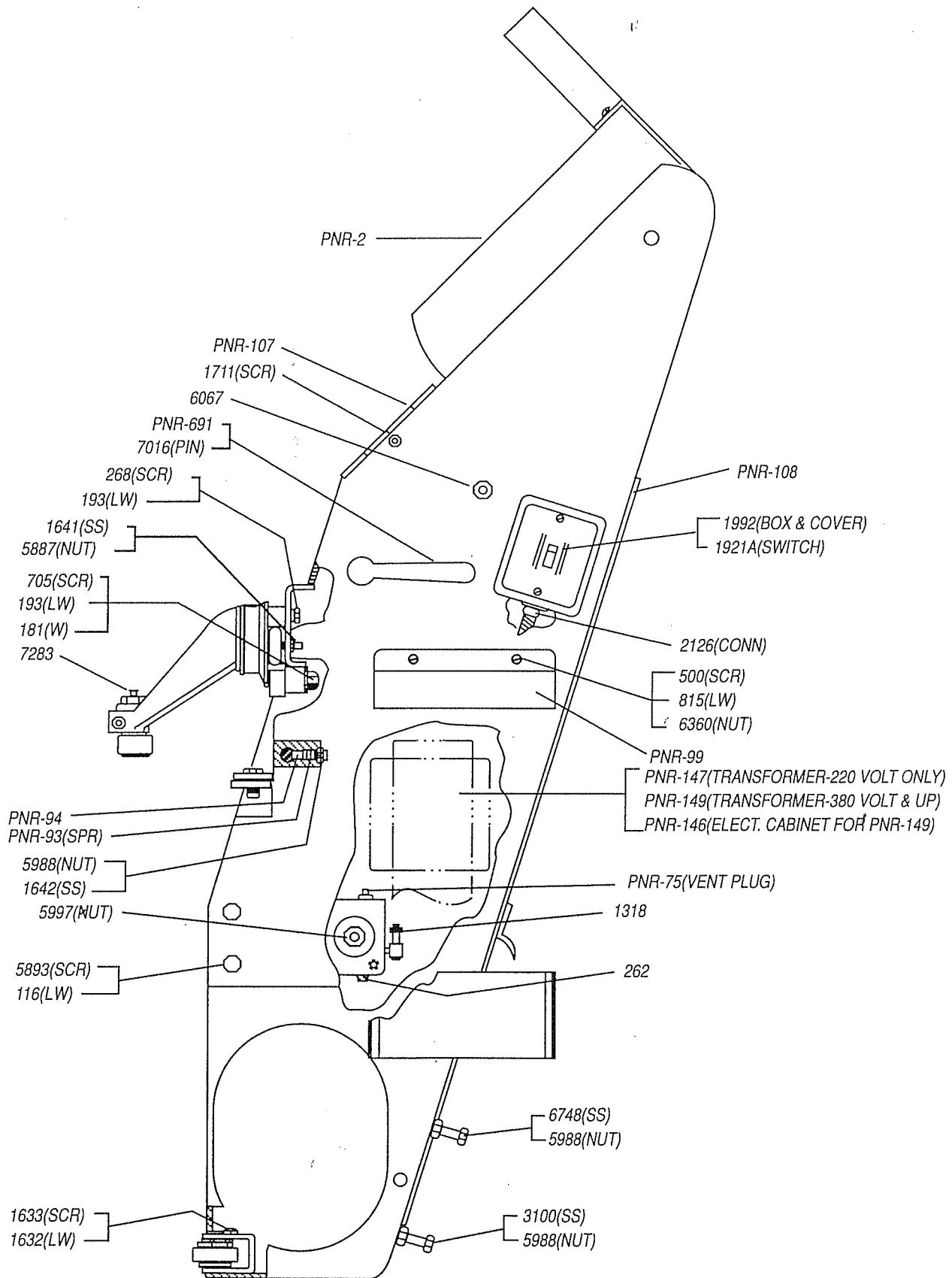


CASTER ASSEMBLY

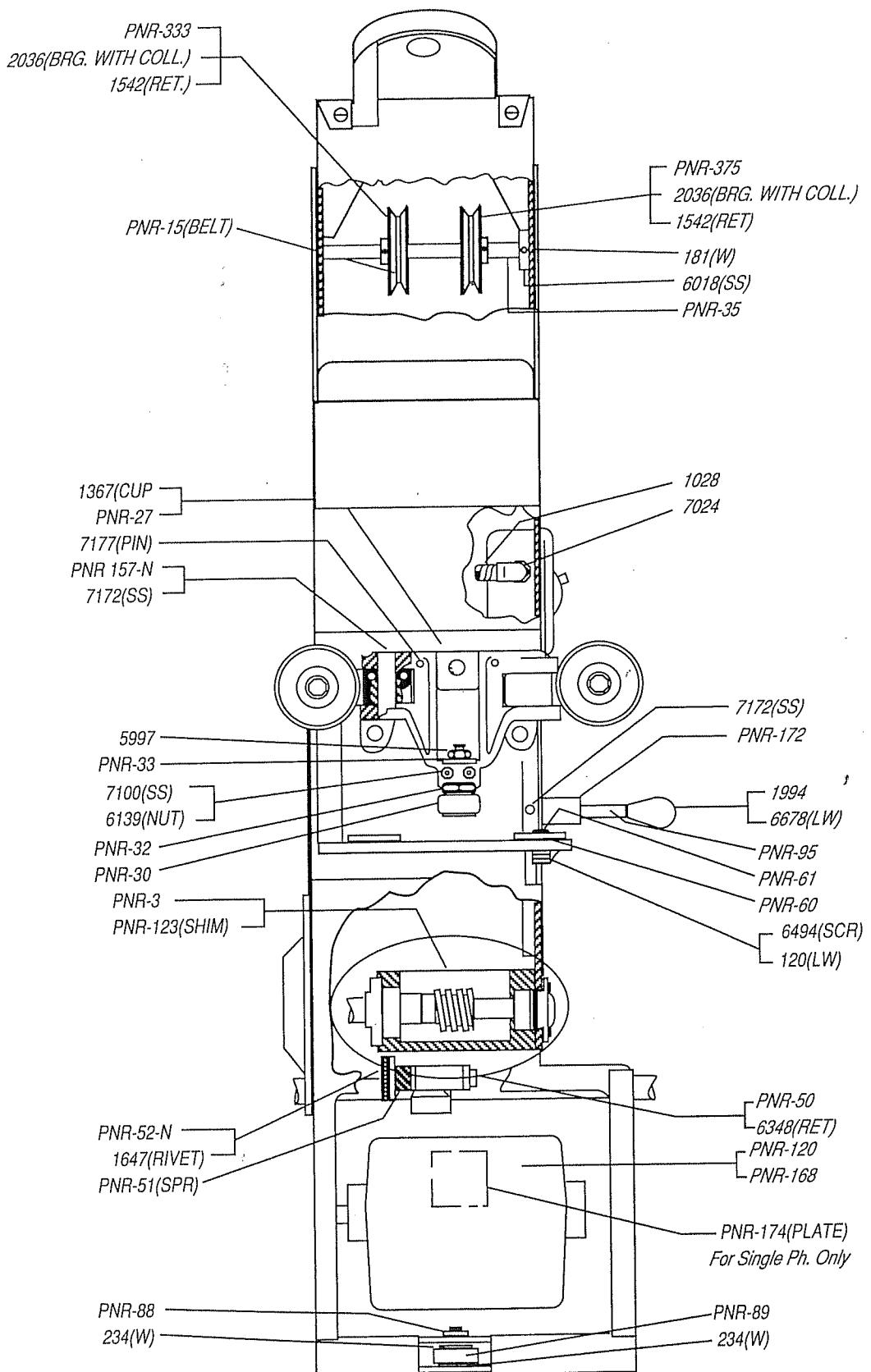




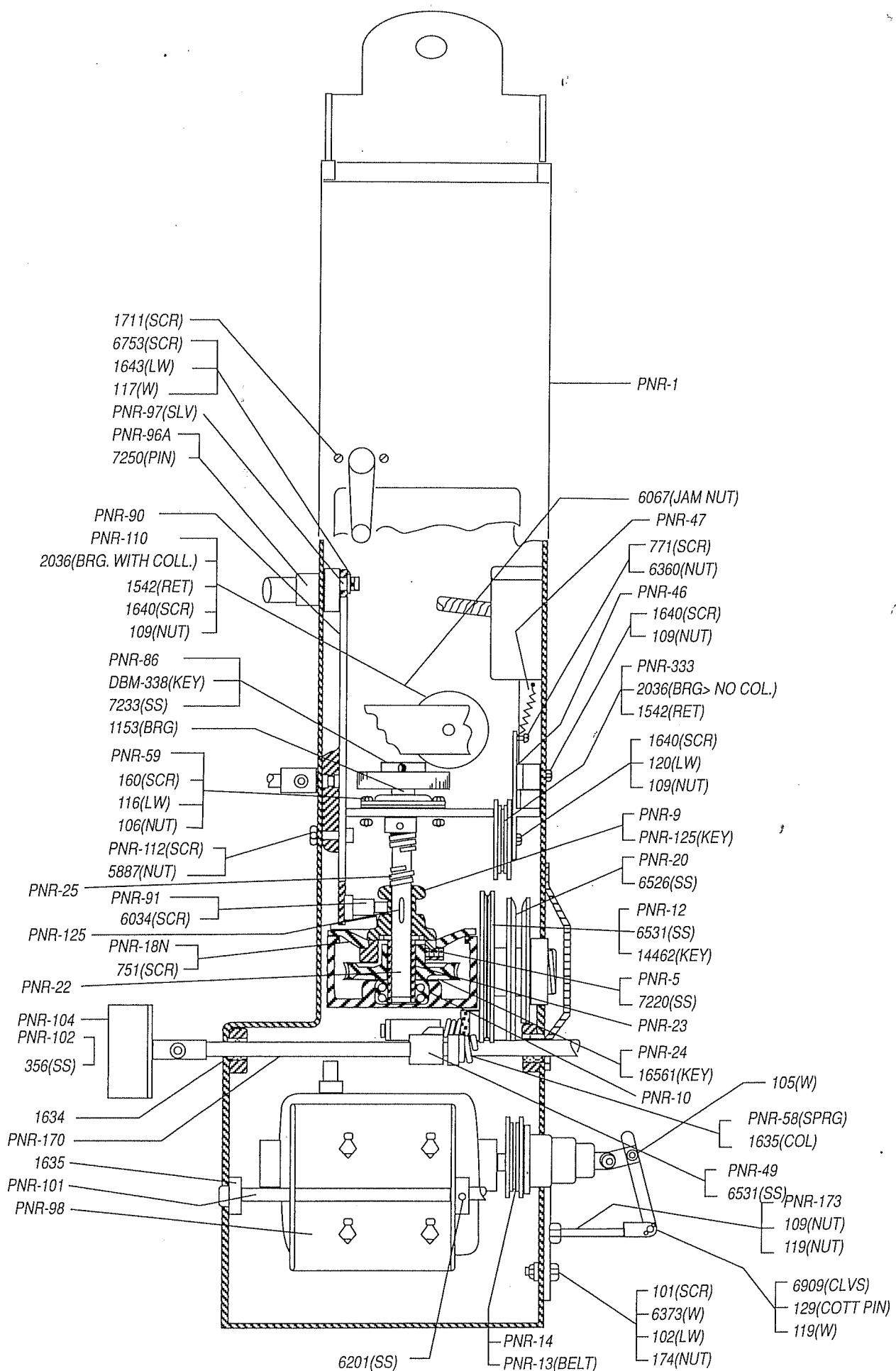
MAIN DRIVE ASSEMBLY



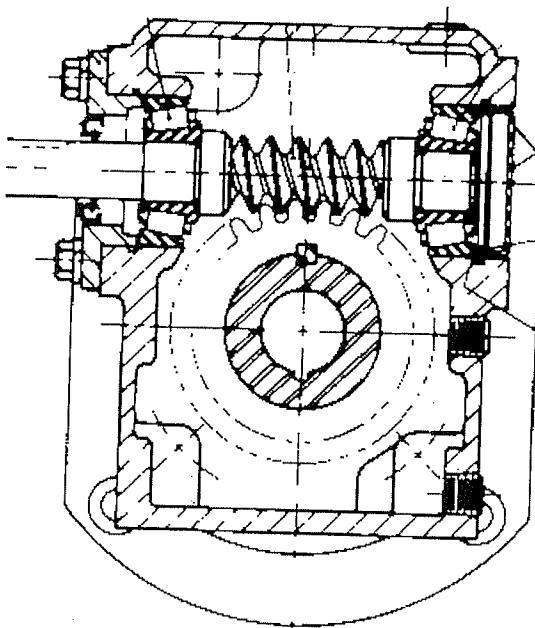
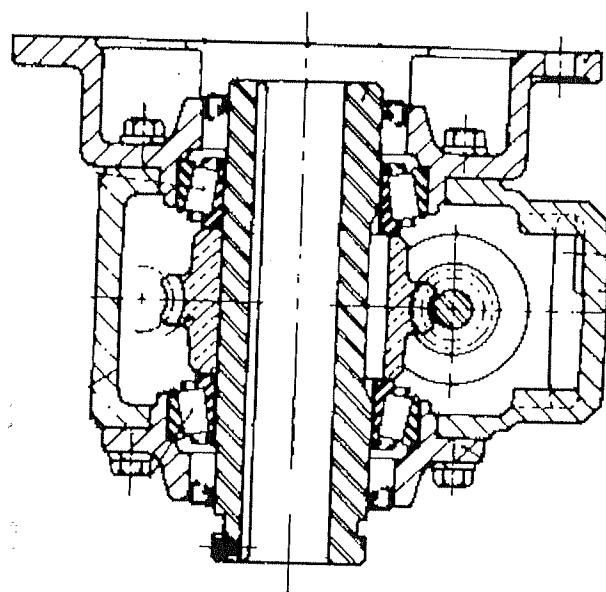
MAIN DRIVE ASSEMBLY



MAIN DRIVE ASSEMBLY



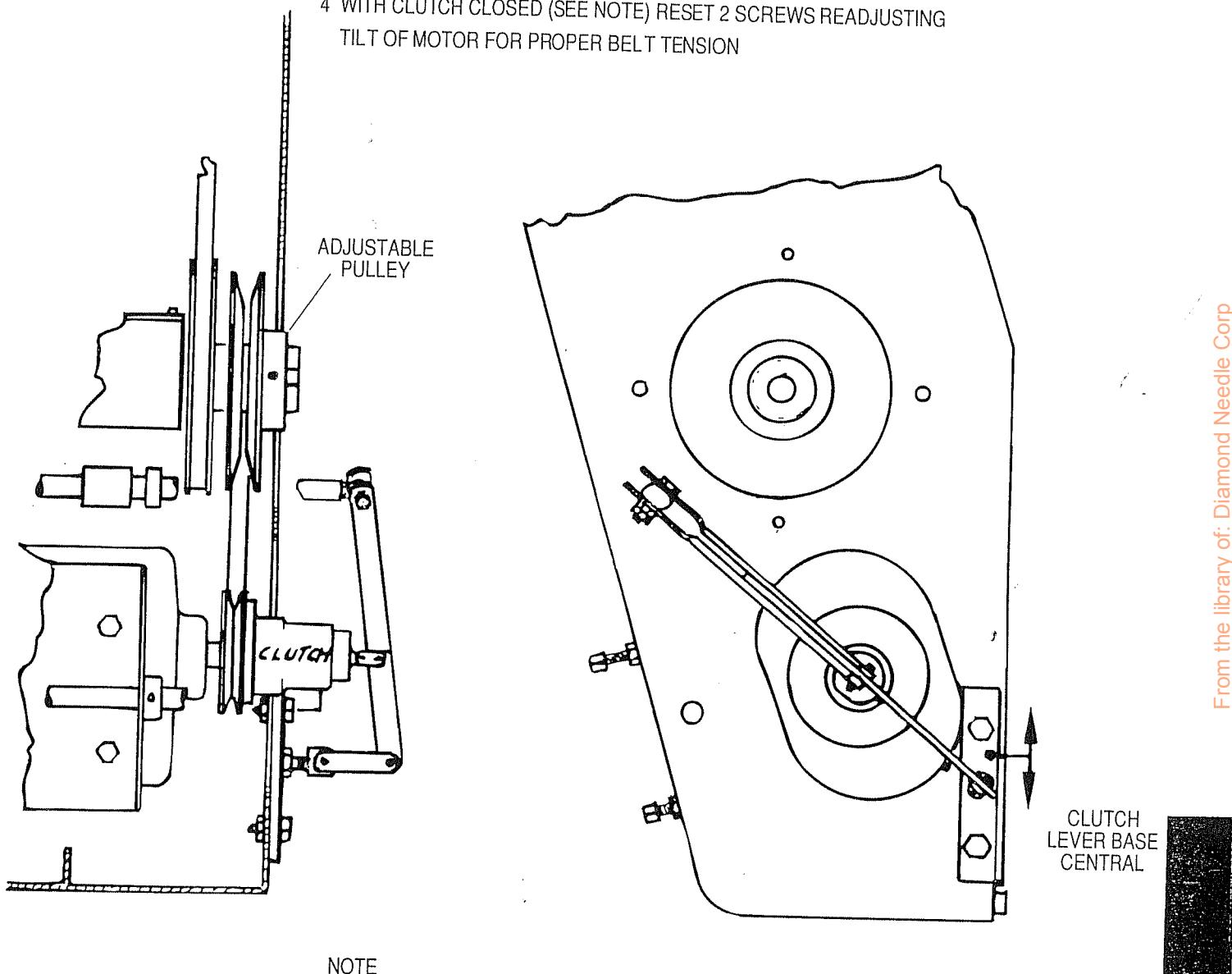
MAIN DRIVE ASSEMBLY



PNR-520

ALTERNATE GEARBOX FOR MAIN DRIVE ASSEMBLY

- 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

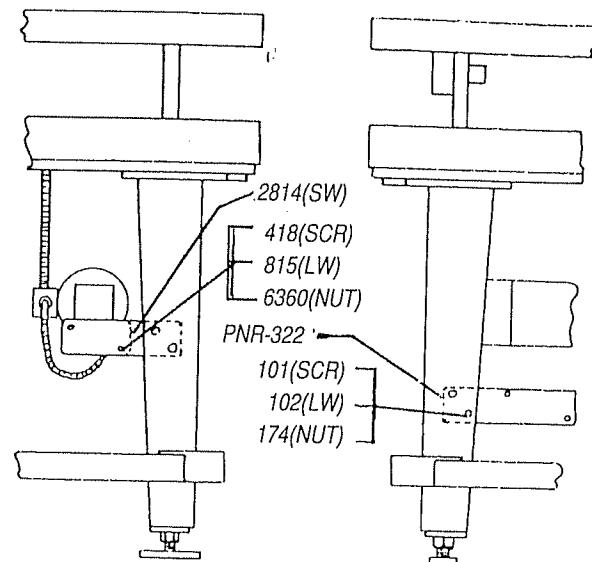


NOTE

CLUTCH PULLEY IS COMPLETELY CLOSED
WHEN ADJUSTING MOTOR SCREWS FOR
BELT TENSION

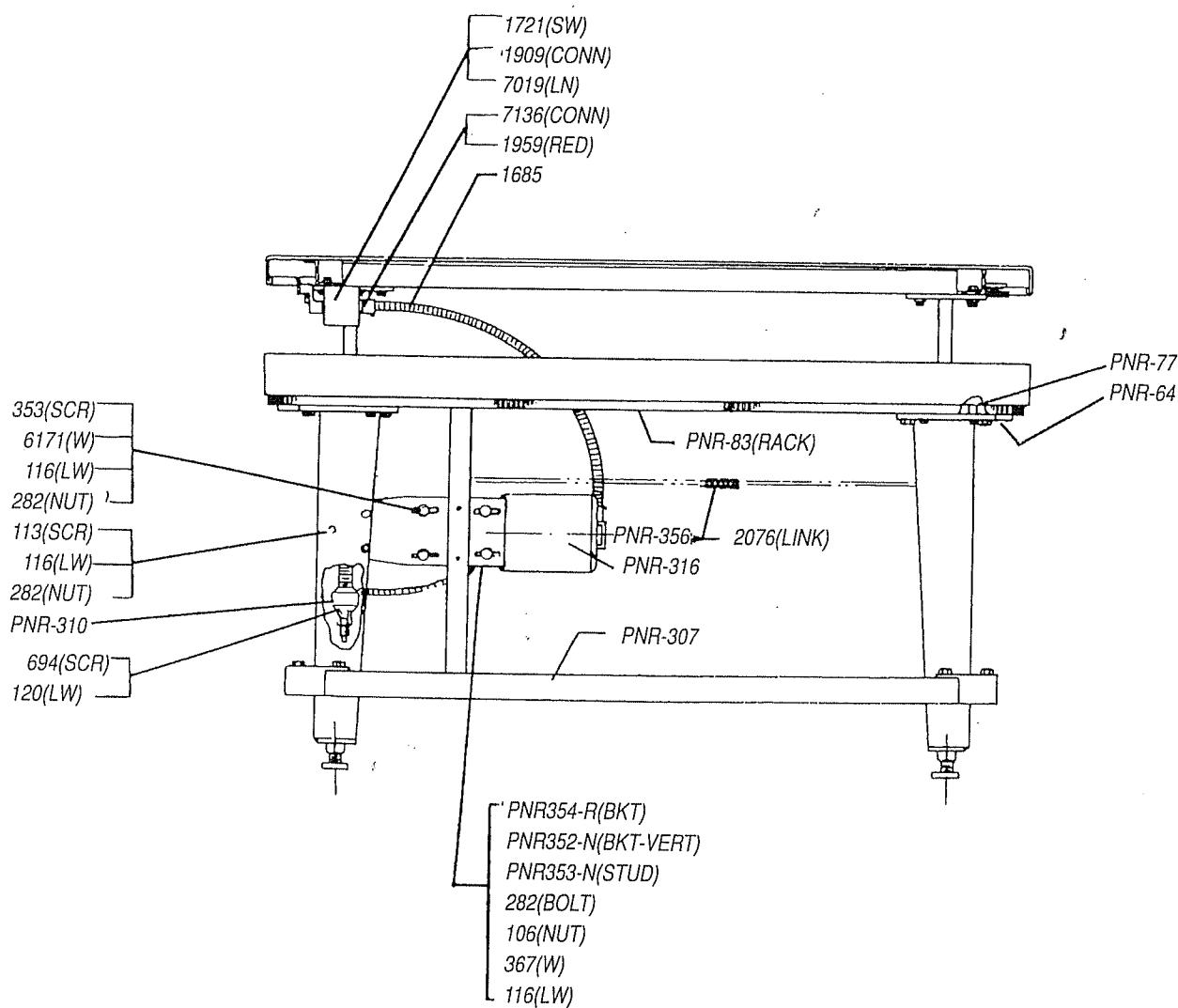
ROTATE CLUTCH BY HAND & PUSH TOWARD
MOTOR TO CLOSE CLUTCH TO OPERATING POSITION

MACHINE TRAVERSE SPEED ADJUSTMENT

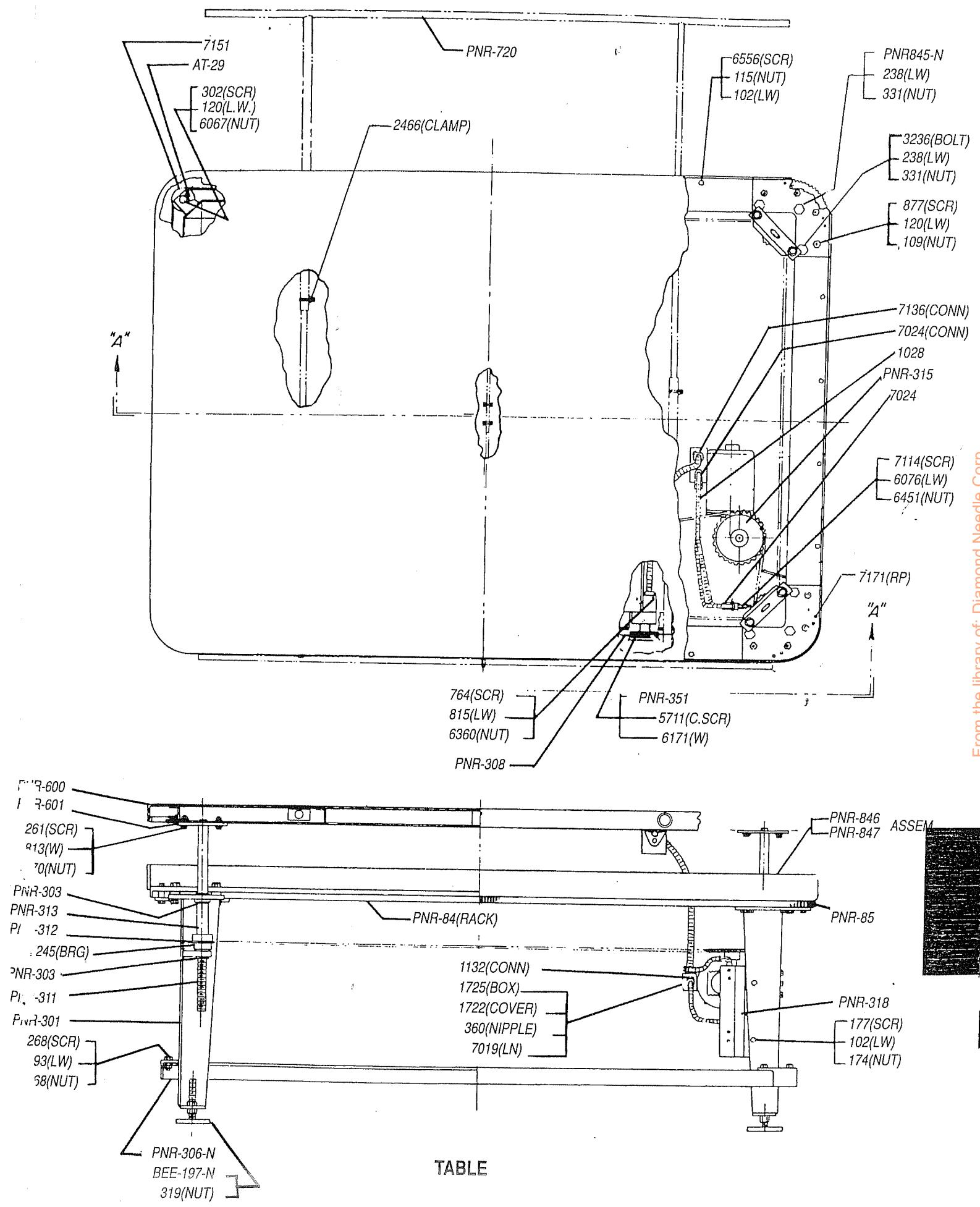


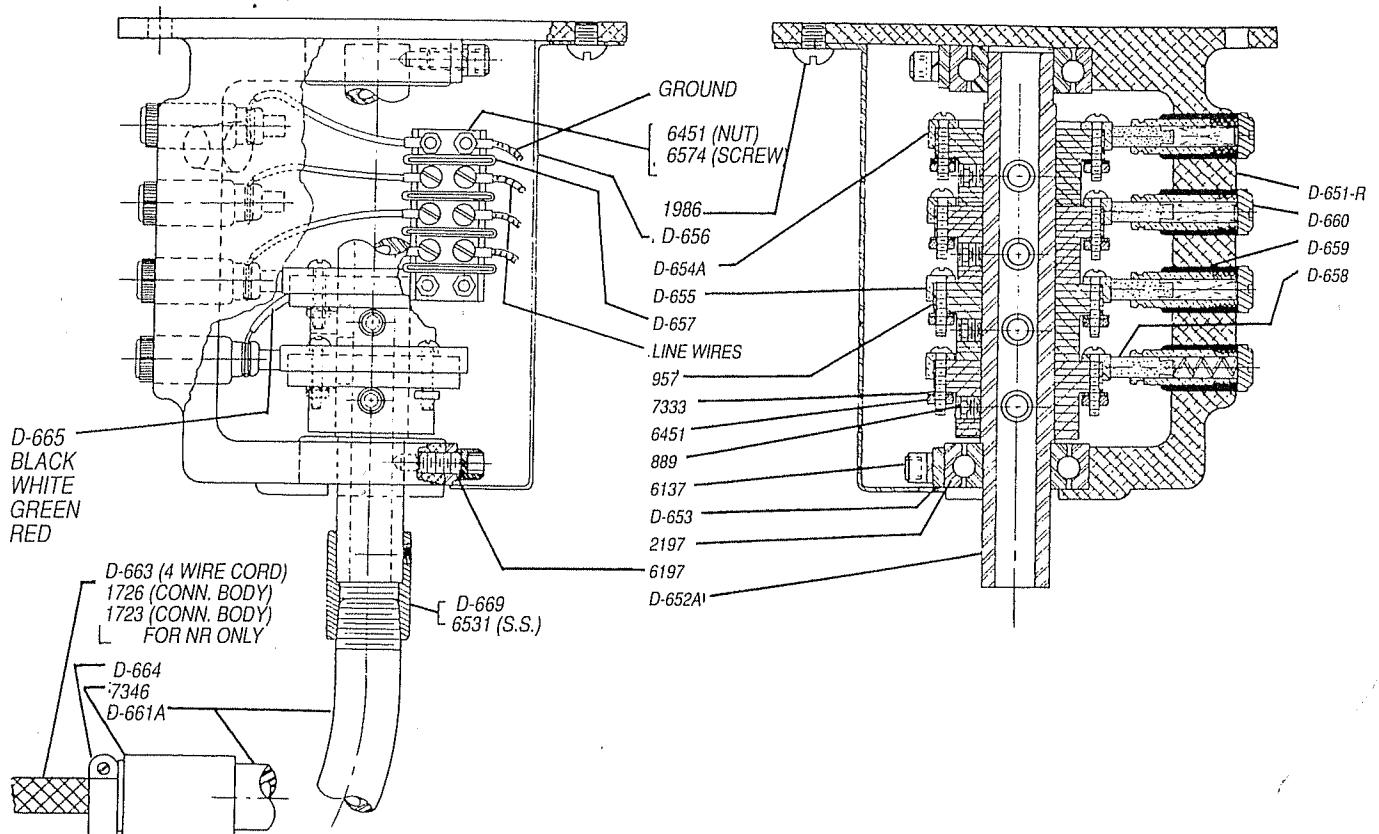
FOR 3 PH. APPLICATION & 115 D.C.

DETAIL "A"

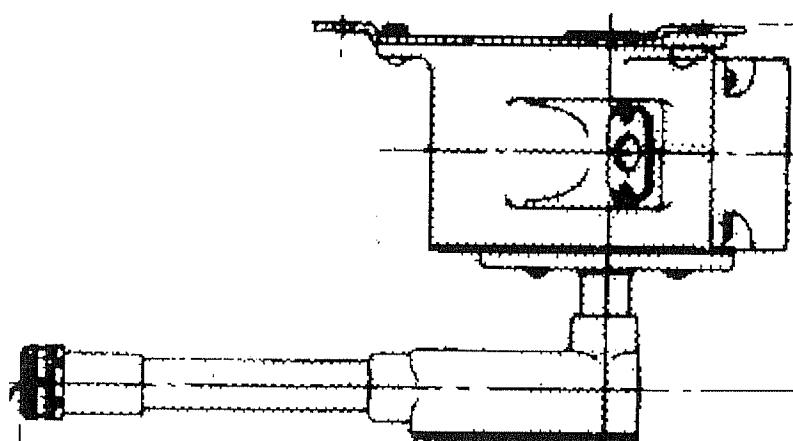


TABLE





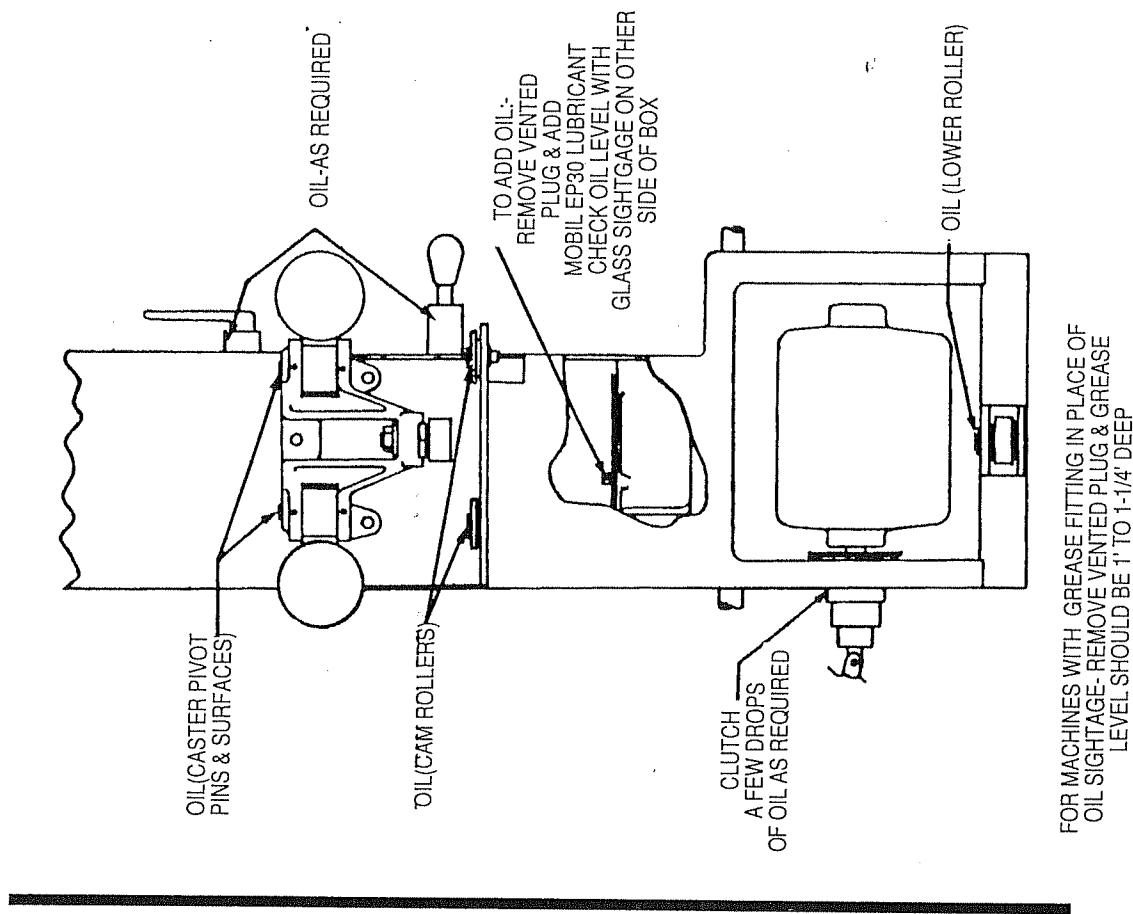
SWIVEL ASSEMBLY



PNR 521

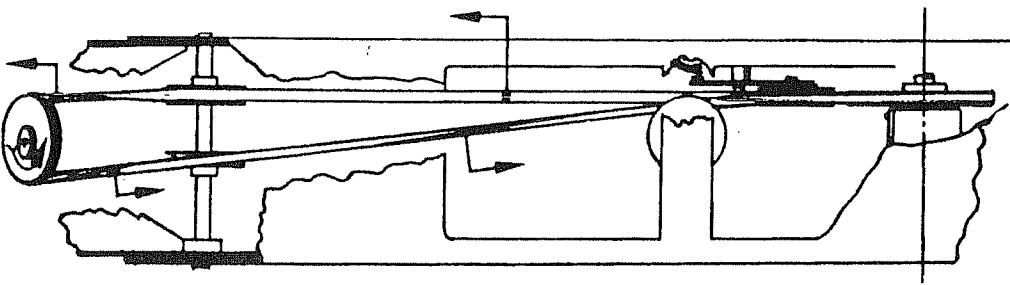
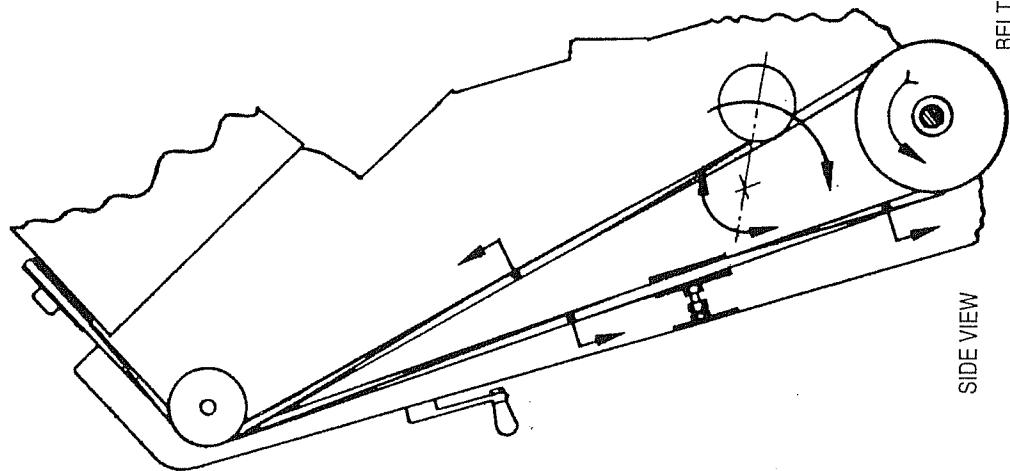
ALTERNATE SWIVEL ASSEMBLY

LUBRICATION CHART



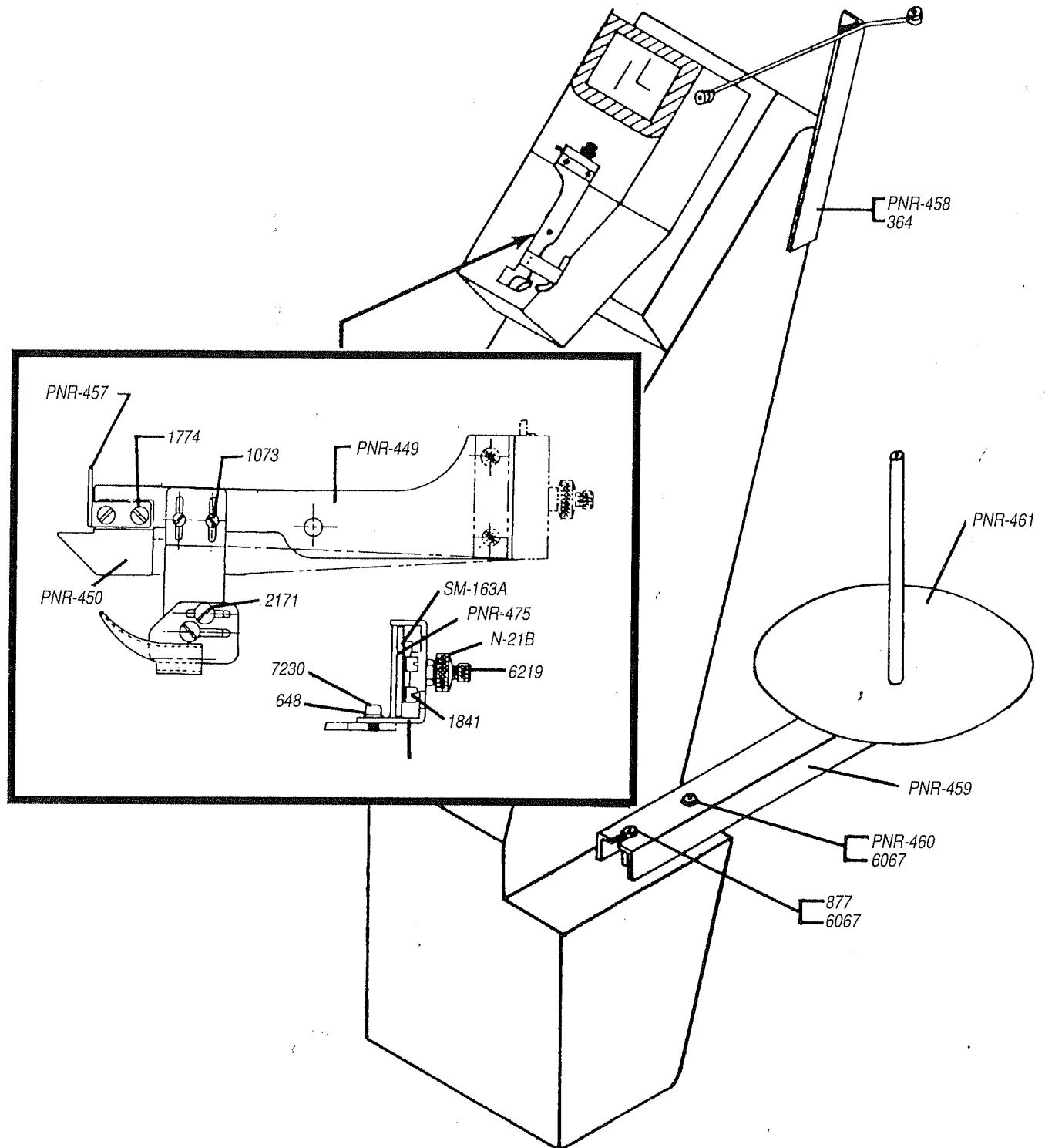
BELT PATH

SIDE VIEW



VIEW TOWARD TABLE

SEWING HEAD DRIVE BELT PATH



PIPING ATTACHMENT

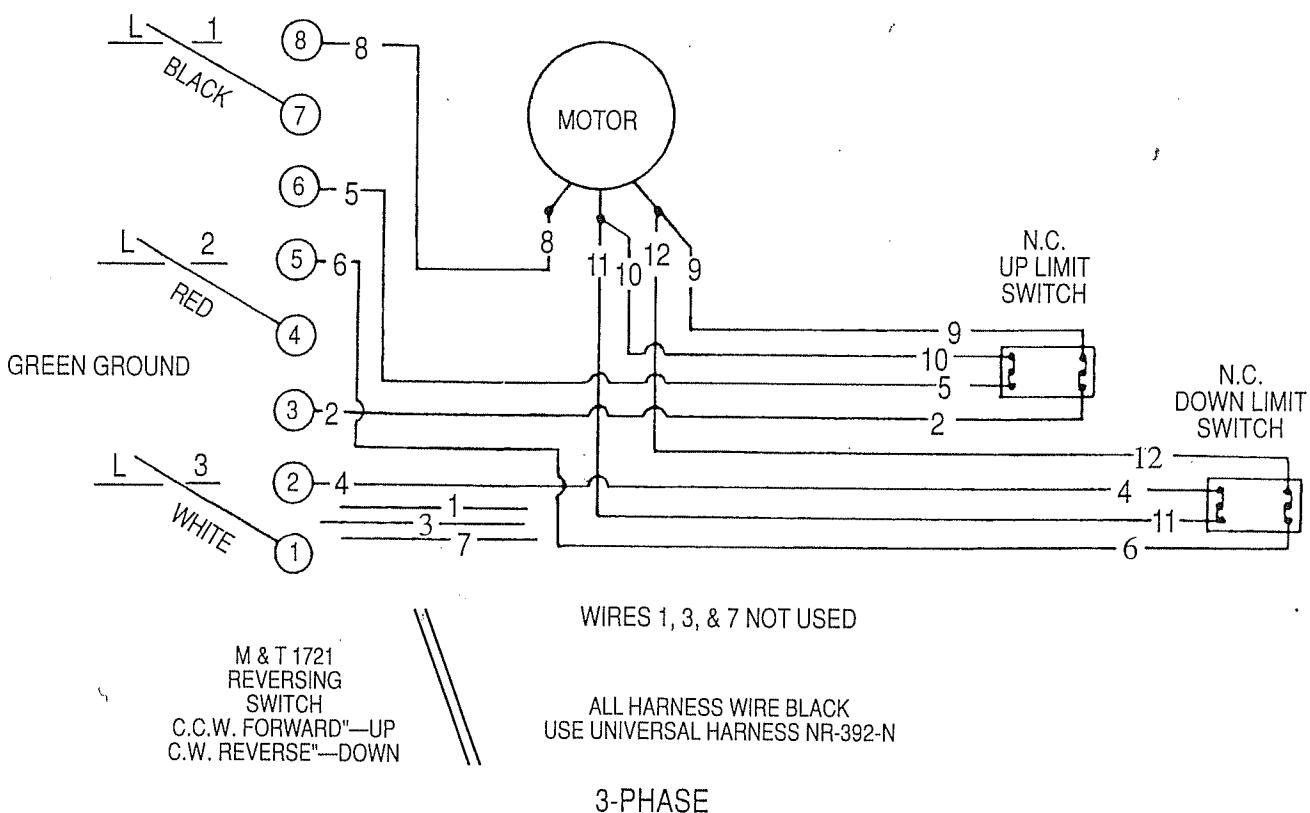
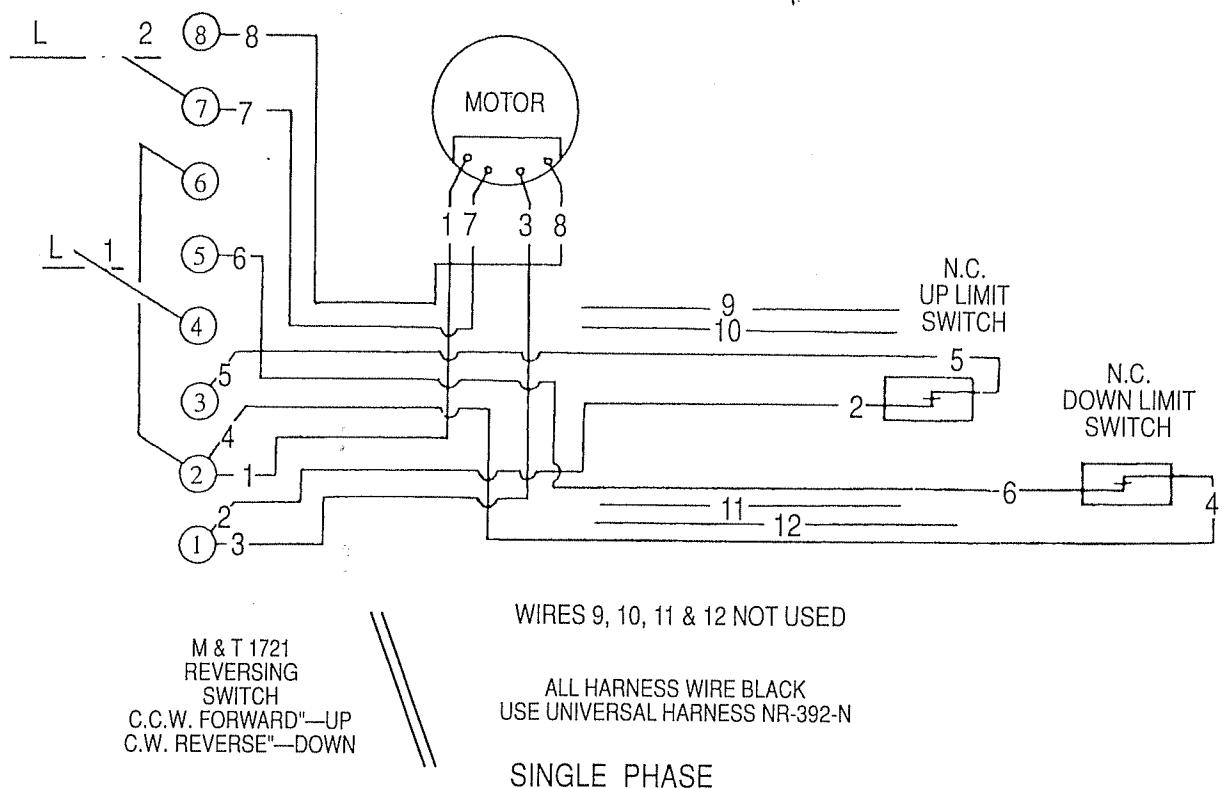
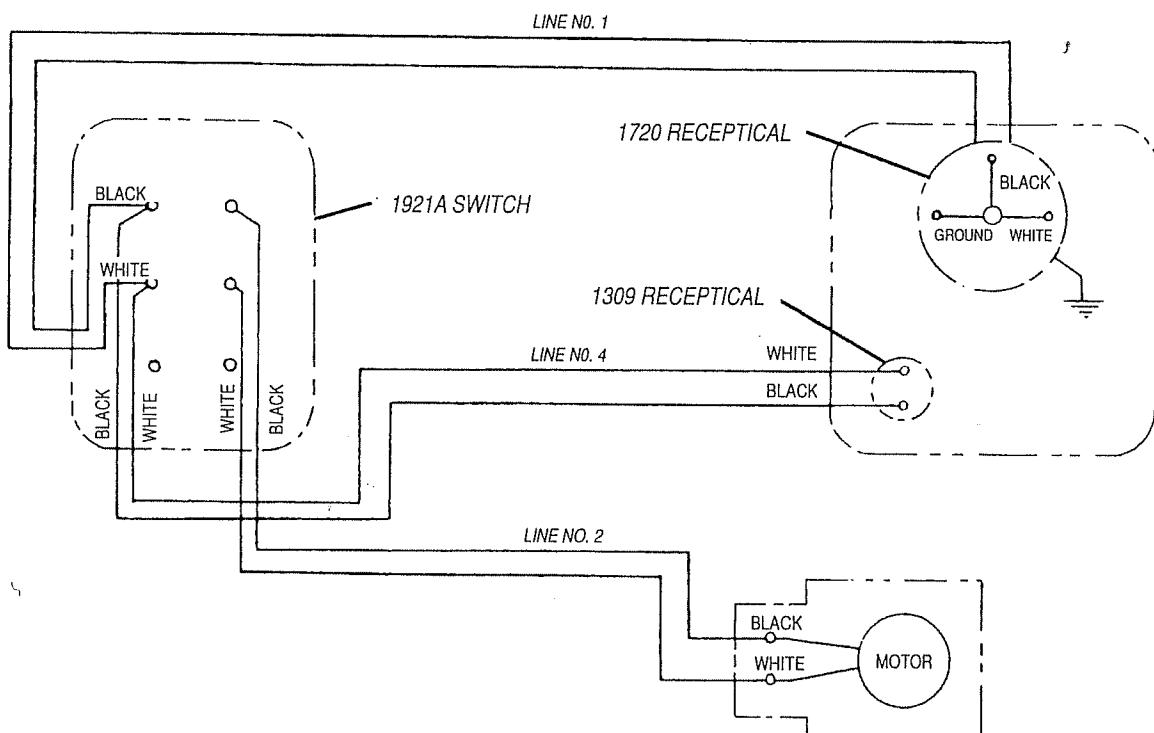
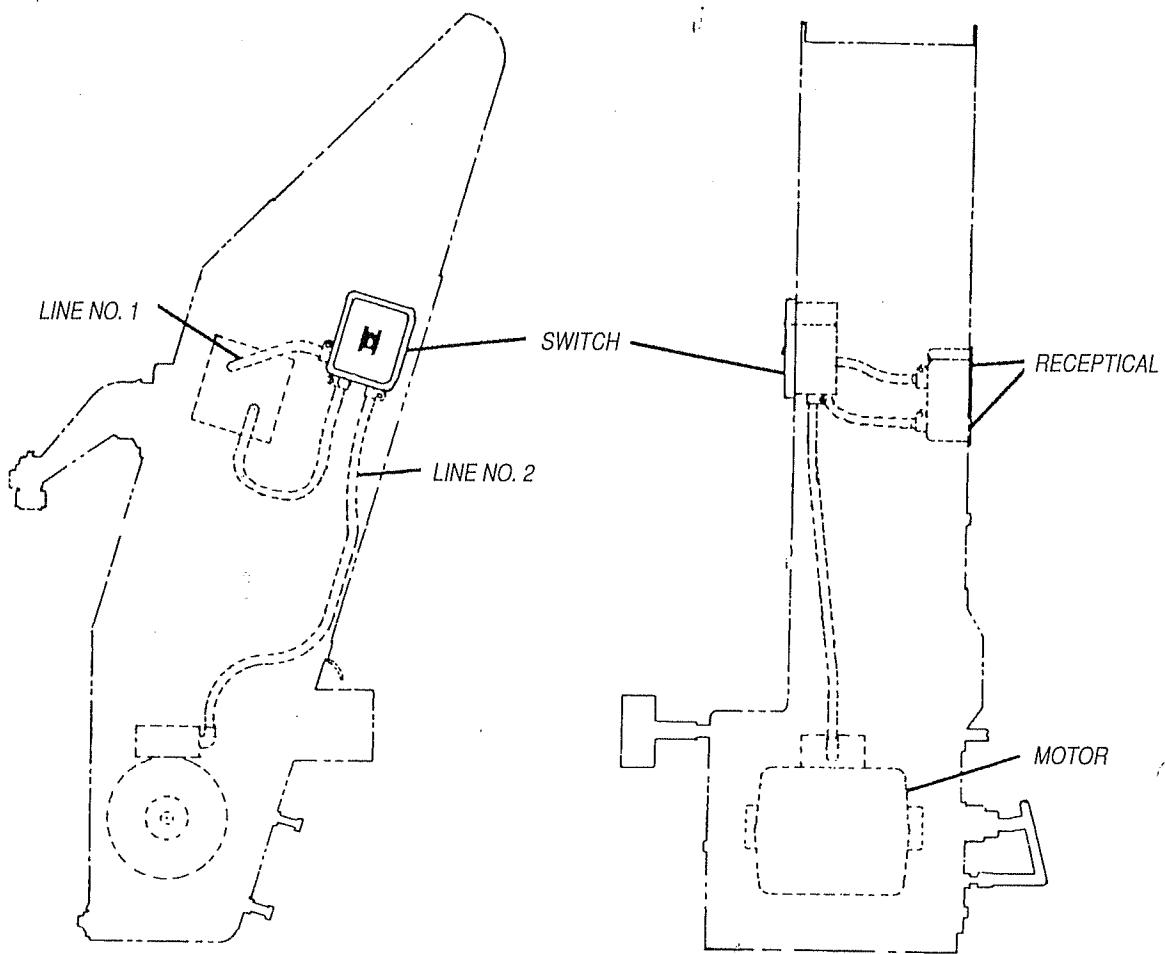
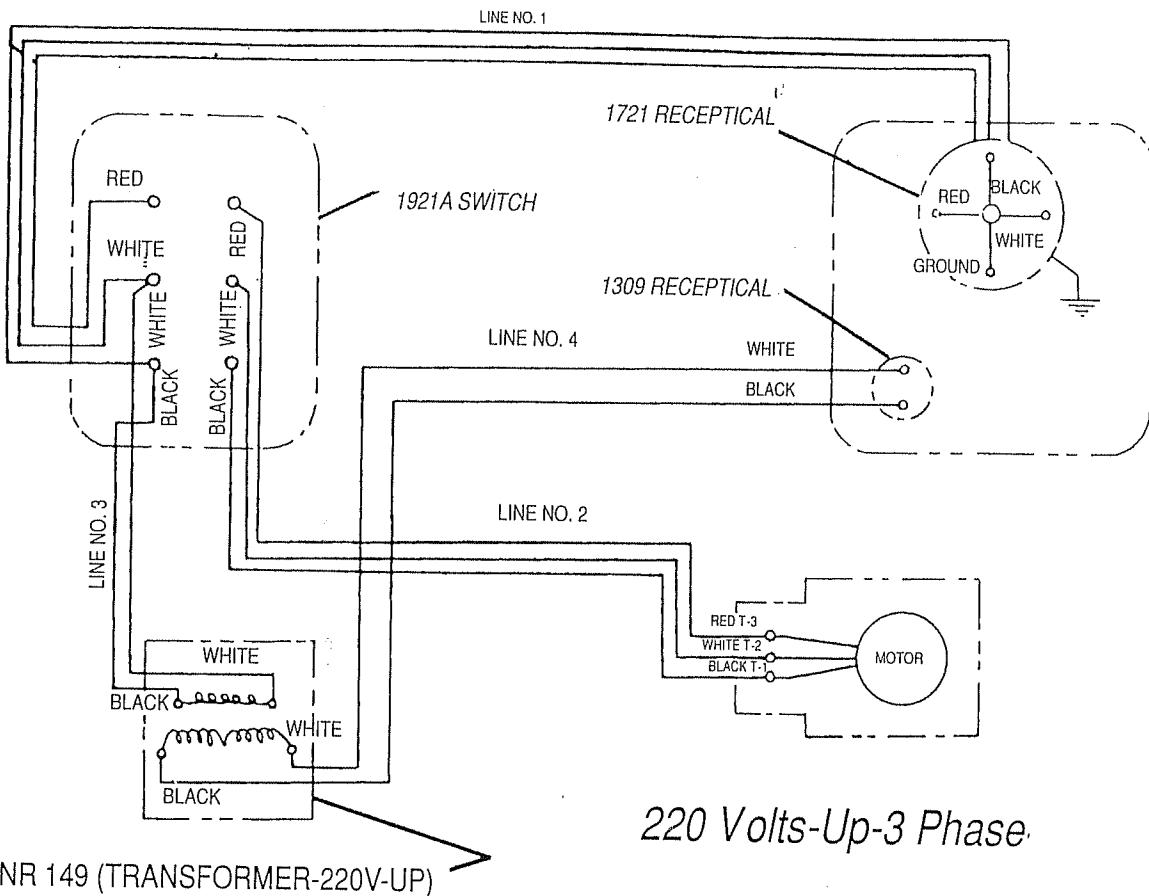


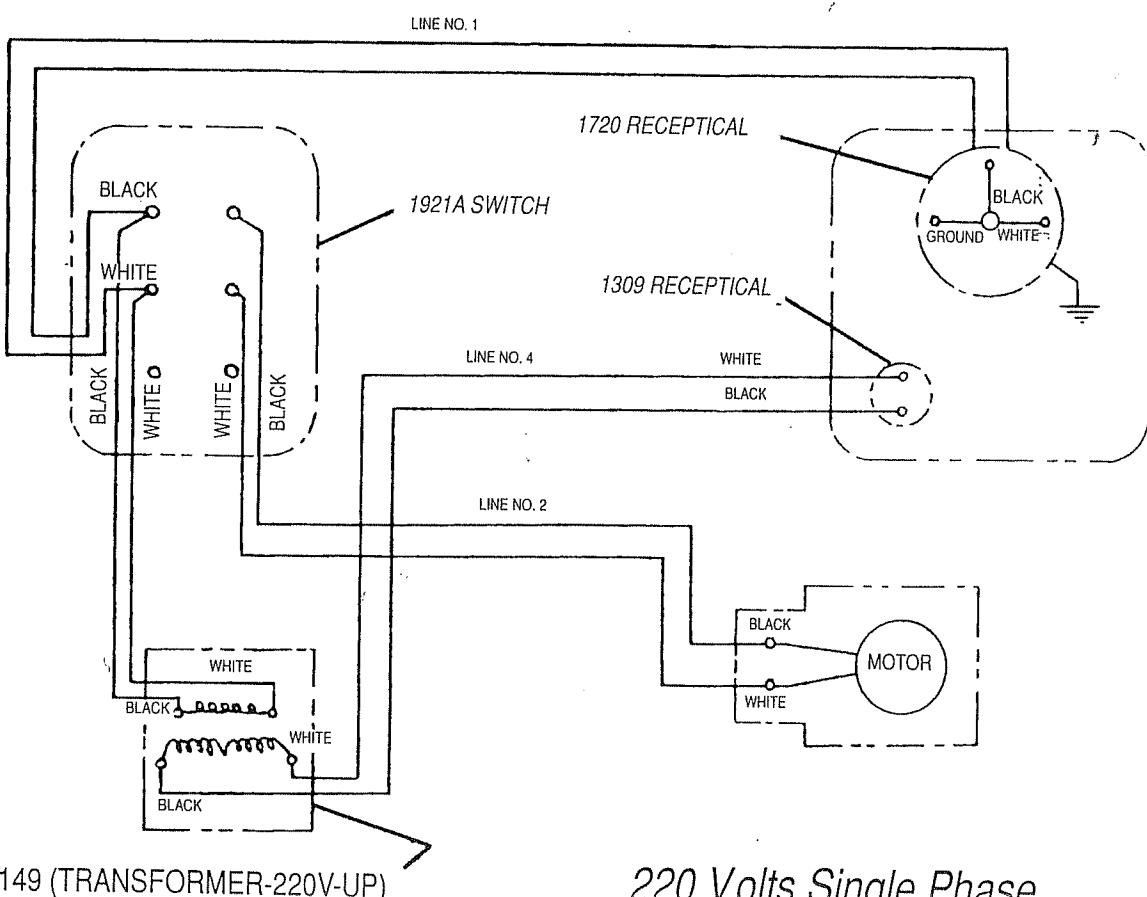
TABLE WIRING DIAGRAM



110 Volts Single Phase
MAIN DRIVE WIRING DIAGRAM



MAIN DRIVE WIRING DIAGRAM



MAIN DRIVE WIRING DIAGRAM

From the library of: Diamond Needle Corp

