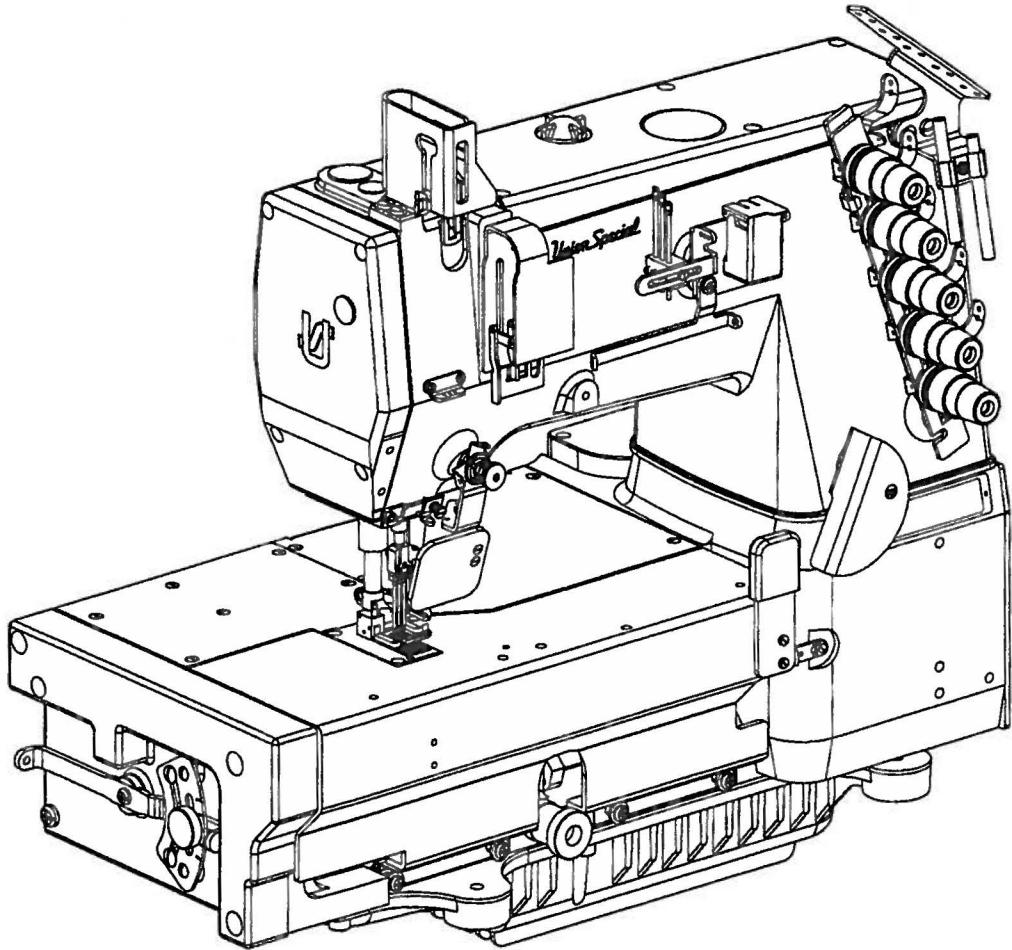




Union Special
INDUSTRIAL SEWING EQUIPMENT

ILLUSTRATED PARTS LIST



**FS300 Series, Differential Feed,
High Speed Lap Seaming Machines**

MANUAL NO. PT9501

STYLES

FS332L01-2C

FS332L01-3B

Manual No. PT9501 Illustrated Parts List for FS300 Series Machines

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By

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I-5th.

PREFACE

This parts manual has been prepared to assist you in locating individual parts or assemblies on FS300 Series machines. It can be used in conjunction with Union Special Operator's Manual OP9420 and Engineer's Manual EN9421.

It is the desire of Union Special that each machine run at its optimum performance. Parts listed in this manual are designed specifically for your machine and are manufactured with utmost precision to assure long lasting service.

This manual has been comprised on the basis of available information. Changes in design and/or improvements may incorporate a slight modification of configuration in illustrations or part numbers.

On the following pages are illustrations and terminology used in describing the parts used on FS300 Series machines.



CORRECTION

Please Note: In Union Special Parts Manual PT9501...

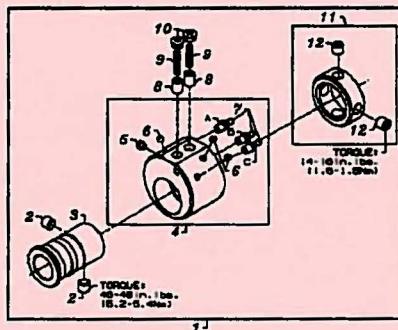
There is a correction on page 11.

- Loctite adhesive CE59 is used on sponge 50393HS, Reference Number 22..
- The text should be as follows...

22. 50393HS	Sponge	1
- CE59	Loctite Adhesive, (not shown), for sponge	-

There is a correction on page 26.

- Reference Numbers 2 thru 12, of the oil pump assembly should be rotated 180°
- The illustration should be as follows...



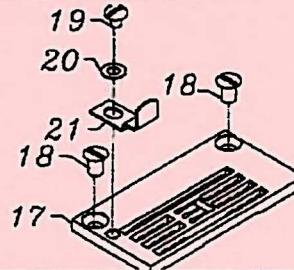
There is a correction on page 35.

- Reference Number 2, Screw, SS8660612TP, description change...
- The text should be as follows...

1. 50340D	Feed Eccentric, main	1
2. SS8660612TP	Screw, for feed eccentric, main	2

There is a correction on page 42.

- Reference Number 21, Guide, should be rotated 90°
- The illustration should be as follows...



There is a correction on page 49.

- Reference Numbers 2 thru 7 are not subassemblies of Thread Stand, 21101W5
- The text should be as follows...

1. 21101W5	Thread Stand	1
2. 35095B	Isolator	4
3. G21201	Screw Driver, for needle head	1
4. 660-240	Thread Tweezer	1
5. 660-264	S-Hook	2
6. 421D34	Chain	1
7. 28604R	Oil, (1 pint)	2
8. 128GBS 075/029	Needles	1

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SAFETY RULES

1. Before putting the machines described in this manual into service, carefully read the instructions. The starting of each machine is only permitted after taking notice of the instructions and by qualified operators.

IMPORTANT! Before putting the machine into service, also read the safety rules and instructions from the motor supplier.

2. Observe the national safety rules valid for your country.
3. The sewing machines described in this instruction manual are prohibited from being put into service until it has been ascertained that the sewing units which these sewing machines will be built into, have conformed with the EC Council Directives (89/392/EEC, Annex II B).

Each machine is only allowed to be used as foreseen. The foreseen use of the particular machine is described in paragraph "STYLES OF MACHINES" of this instruction manual. Another use, going beyond the description, is not as foreseen.

4. All safety devices must be in position when the machine is ready for work or in operation. Operation of the machine without the appertaining safety devices is prohibited.
5. Wear safety glasses.
6. In case of machine conversions and changes all valid safety rules must be considered. Conversions and changes are made at your own risk.
7. The warning hints in the instructions are marked with one of these two symbols:



8. When doing the following the machine has to be disconnected from the power supply by turning off the main switch or by pulling out the main plug:
 - 8.1 When threading needle(s), looper, spreader etc.
 - 8.2 When replacing any parts such as needle(s), presser foot, throat plate, looper, spreader, feed dog, needle guard, folder, fabric guide etc.
 - 8.3 When leaving the workplace and when the workplace is unattended.
 - 8.4 When doing maintenance work.
 - 8.5 When using clutch motors without actuation lock, wait until the motor is stopped totally.
9. Maintenance, repair and conversion work (see item 8) must be done only by trained technicians or special skilled personnel under consideration of the instructions.
10. Any work on the electrical equipment must be done by an electrician or under direction and supervision of special skilled personnel.
11. Work on parts and equipment under electrical power is not permitted. Permissible exceptions are described in the applicable sections of standard sheet DIN VDE 0105.
12. Before doing maintenance and repair work on the pneumatic equipment, the machine has to be disconnected from the compressed air supply. In case of existing residual air pressure, after disconnecting from compressed air supply (i.e. pneumatic equipment with air tank), the pressure has to be removed by bleeding.



IDENTIFICATION OF MACHINES

Each UNION SPECIAL machine is identified by a style number, which is stamped into the style plate affixed to the middle of the machine under the tension assembly. The serial number is stamped into the serial number plate affixed to the right rear base of the machine.

CLASS DESCRIPTION

Precision high speed, two or three needles, top coverstitch, differential feed flat bed machines. Totally enclosed feed and looper drive mechanism, automatic forced feed lubrication system with easily replaceable filter. Main feed has thumbscrew adjustment and differential feed has lever adjustment and independently driven rear needle guard.

STYLE OF MACHINES

- FS332L01-3B_ LAP SEAMING. Three needle, top coverstitch, tandem differential feed. - Typical Application - For crotch seaming operations on men's and boy's knit underwear. Seam Specifications 605 LSa-1. Standard gauge numbers 056, (7/32", 5.6mm) and 060, (15/64", 6.0mm). Recommended needle 128GBS, needle range sizes 065/025 - 090/036. Maximum recommended speed, depending on application, is up to 6500 R.P.M.
- FS332L01-2C_ LAP SEAMING. Two needle, top coverstitch, tandem differential feed. - Typical Application - For crotch seaming operations on men's and boy's knit underwear. Seam Specifications 602 LSa-1. Standard gauge number 040, (5/32", 4.0mm). Recommended needle 128GBS, needle range sizes 065/025 - 090/036. Maximum recommended speed, depending on application, is up to 6500 R.P.M.

ILLUSTRATIONS

This manual has been arranged to simplify ordering repair parts. Exploded views of various sections of the mechanism are shown so that the parts may be seen in their actual position in the machine. On the page opposite the illustration will be found a listing of the parts with their part numbers, description and the number of pieces required in the particular view being shown.

Numbers in the first column are reference numbers only, and merely indicate the position of the part in the illustration. The reference number should never be used in ordering parts. Always use the part number listed in the second column.

Component parts of sub-assemblies which can be furnished for repairs are indicated by indenting their descriptions under the description of the main sub-assembly. As an example refer to the following text.

5. 50366B	Needle Thread Strike-Off Assembly	1
6. 50358V	Needle Thread Strike-Off	1
7. 50370F	Thread Strike-Off Component	1
8. SS7060310SP	Screw, for plate strike-off	1

When a part is common to all machines covered in this manual, no specific usage will be mentioned in the description. However, when the parts for the various machines are not the same, the specific usage will be mentioned in the description and, if necessary, the difference will be shown in the illustration.

*Ref. No. showing no Part No. is for location only. Part is not for sale separately.

A numerical index of all the parts shown in this manual is located at the back. This will facilitate locating the illustration and description when only a part number is known.



IDENTIFYING PARTS

Where construction permits, each part is stamped with its part number. On some of the smaller parts and on those where construction does not permit, an identification letter is stamped in to distinguish the part from similar ones.

PLEASE NOTE: Part numbers represent the same part, regardless of which manual they appear. On all orders please include part number, name and style of machine for which the part was ordered.

For optimum performance use only genuine Union Special replacement parts.

NEEDLES

Each needle has both a type and size number. The type number denotes the kind of shank, point, length, groove, finish and other details. The size number, stamped on the needle shank, denotes the largest diameter of the blade measured between the shank and the eye. Collectively, the type number and size number represent the complete symbol which is given on the label of all needles packed and sold by Union Special.

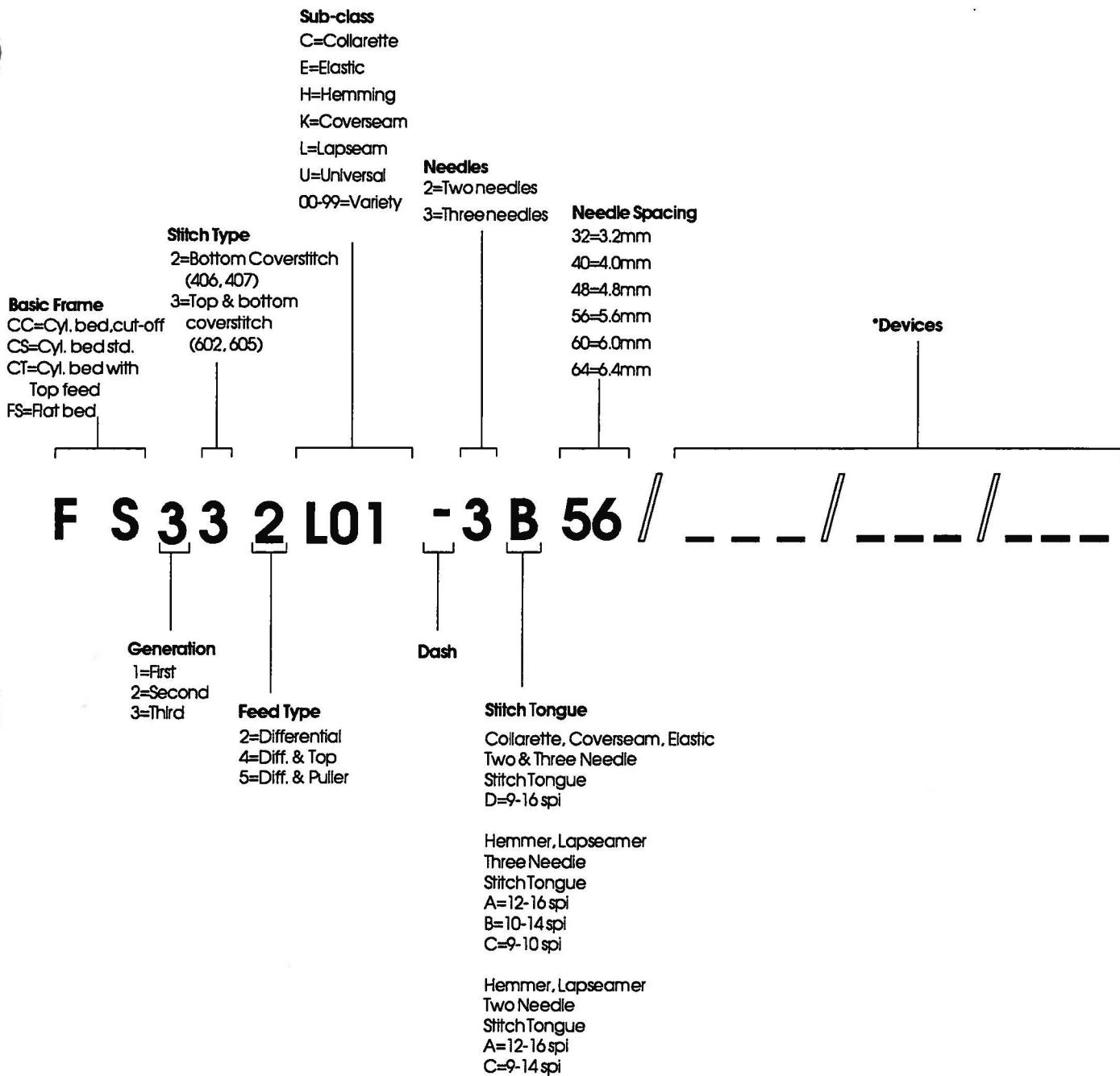
<u>TYPE</u>	<u>DESCRIPTION</u>
128 GBS	Short, double groove, struck groove, ball eye, spotted, ball point, chromium plated- Sizes available 065/025, 070/027, 075/029, 080/032, 090/036.

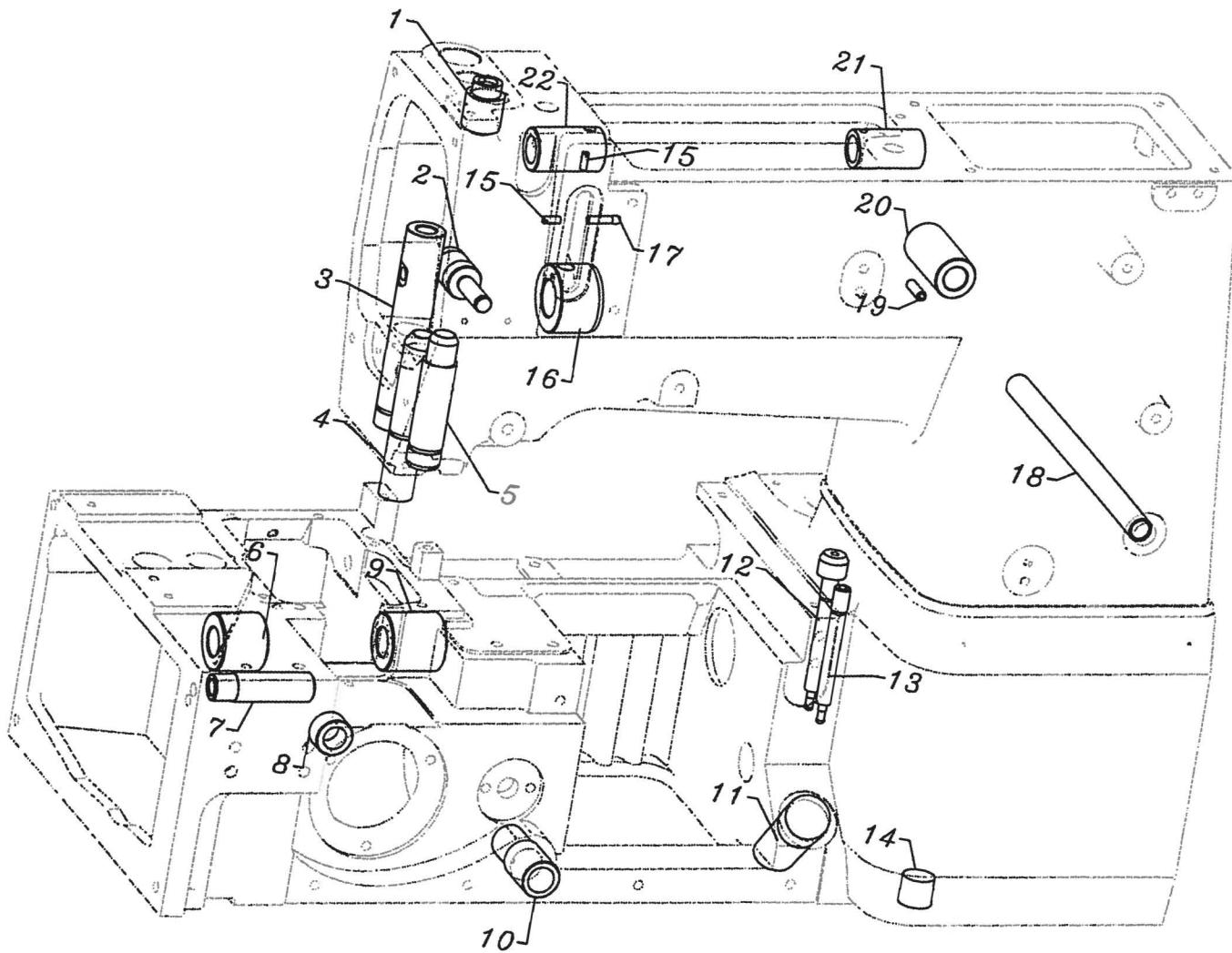
When changing the needle, make sure it is fully inserted in the needle holder before the screw is tightened.

When ordering needles, please use the complete type and size numbers as printed on the package to ensure prompt and accurate processing of your order. A complete order should read as follows: "100 needles, type 128 GBS, size 075/029".



FS300 SERIES BUILDING BLOCK STYLE DESIGNATION SYSTEM

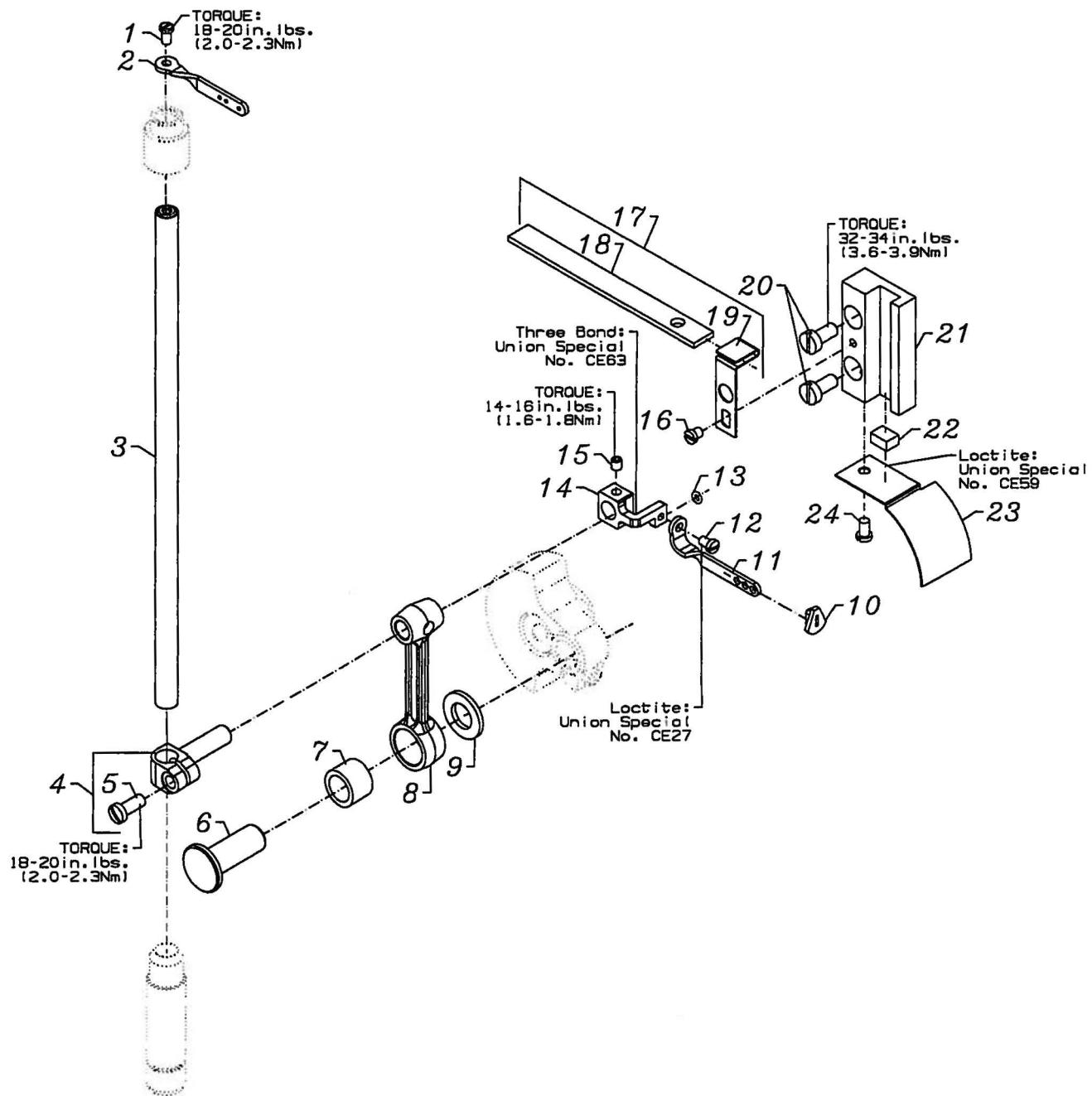




BUSHINGS

Ref. No.	Part No.	Description	Amt. Req.
1.	50354J	Bushing, for needle bar, upper	1
2.	50332U	Pin, for front lifter lever	1
3.	50347L	Bushing, for spreader drive	1
4.	50330CZ	Bushing, for presser bar	1
5.	50354H	Bushing, for needle bar, lower	1
6.	50344AH	Bushing, for lower mainshaft, left	1
7.	50368AB	Bushing, for needle lever	1
8.	50344E	Bearing	1
9.	50344AJ	Bushing, for lower mainshaft, right	1
10.	35036AB	Bushing, for needle guard	1
11.	50393GE	Oil Sight Gauge	1
12.	50393EY	Fitting, filter	1
13.	50393FU	Fitting, oil tube	1
14.	22571L	Screw, for drain plug	1
15.	SS8090710SP	Screw	2
16.	50393ET	Bearing	1
17.	50393FL	Brass Tube, front	1
18.	50392AB	Bushing, for tension release	1
19.	PS0400142KH	Pin	1
20.	50381E	Bushing, for lifter lever, back	1
21.	50347E	Bushing, for spreader, rear	1
22.	50347F	Bushing, for spreader, front	1

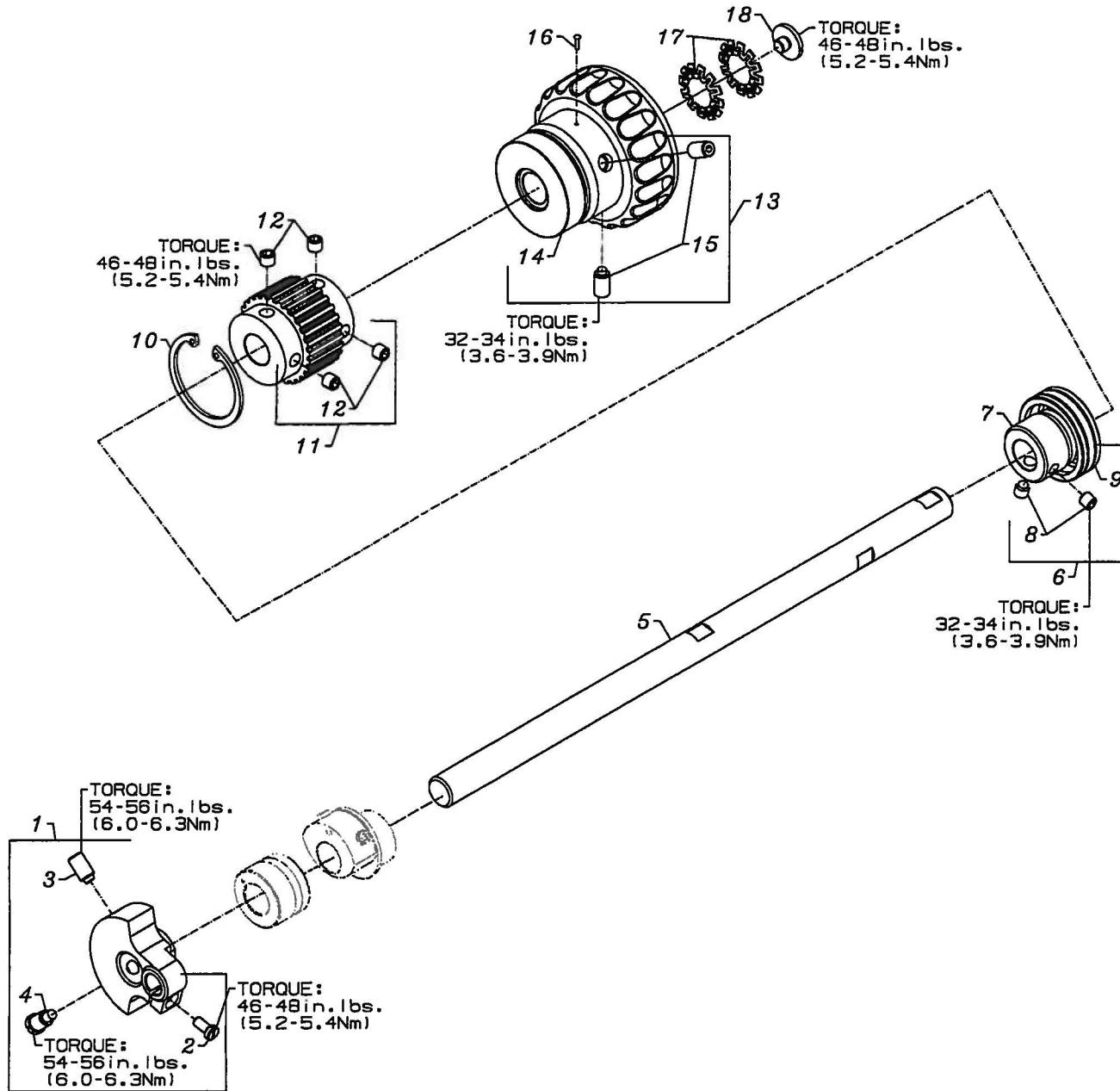




NEEDLE BAR

Ref. No.	Part No.	Description	Amt. Req.
1.	SS4080620TP	Screw	1
2.	50323P	Needle Bar Eyelet	1
3.	50317B	Needle Bar	1
4.	50355AM	Needle Bar Clamp	1
5.	SS7111120TP	Screw	1
6.	50352	Pivot Pin	1
7.	661-259B	Needle Bearing Cage	1
8.	50355AN	Connecting Rod	1
9.	50351A	Washer	1
10.	50393JP	Eyelet Seal	1
11.	50358X	Needle Thread Eyelet	1
12.	SS7080520SP	Screw	1
-	CE27	Loctite Adhesive, (not shown), for screw	-
13.	660-980	"O" Ring	1
14.	50354F	Slide Block	1
-	CE63	Three Bond Adhesive, (not shown), for slide block	-
15.	SS8110422TP	Screw	1
16.	SS6090440SP	Screw, for support bracket	1
17.	50383M	Support Bracket Assembly	1
18.	50393HW	Felt, for slide block access hole	1
19.	50383L	Support Bracket	1
20.	SS6121010SP	Screw	2
21.	50354G	Slide Block Guide	1
22.	50393HS	Sponge	1
23.	50394AF	Slide Block Guide Cover	1
-	CE59	Loctite Adhesive, (not shown), for slide block cover guide	-
24.	SS6090620SP	Screw	1



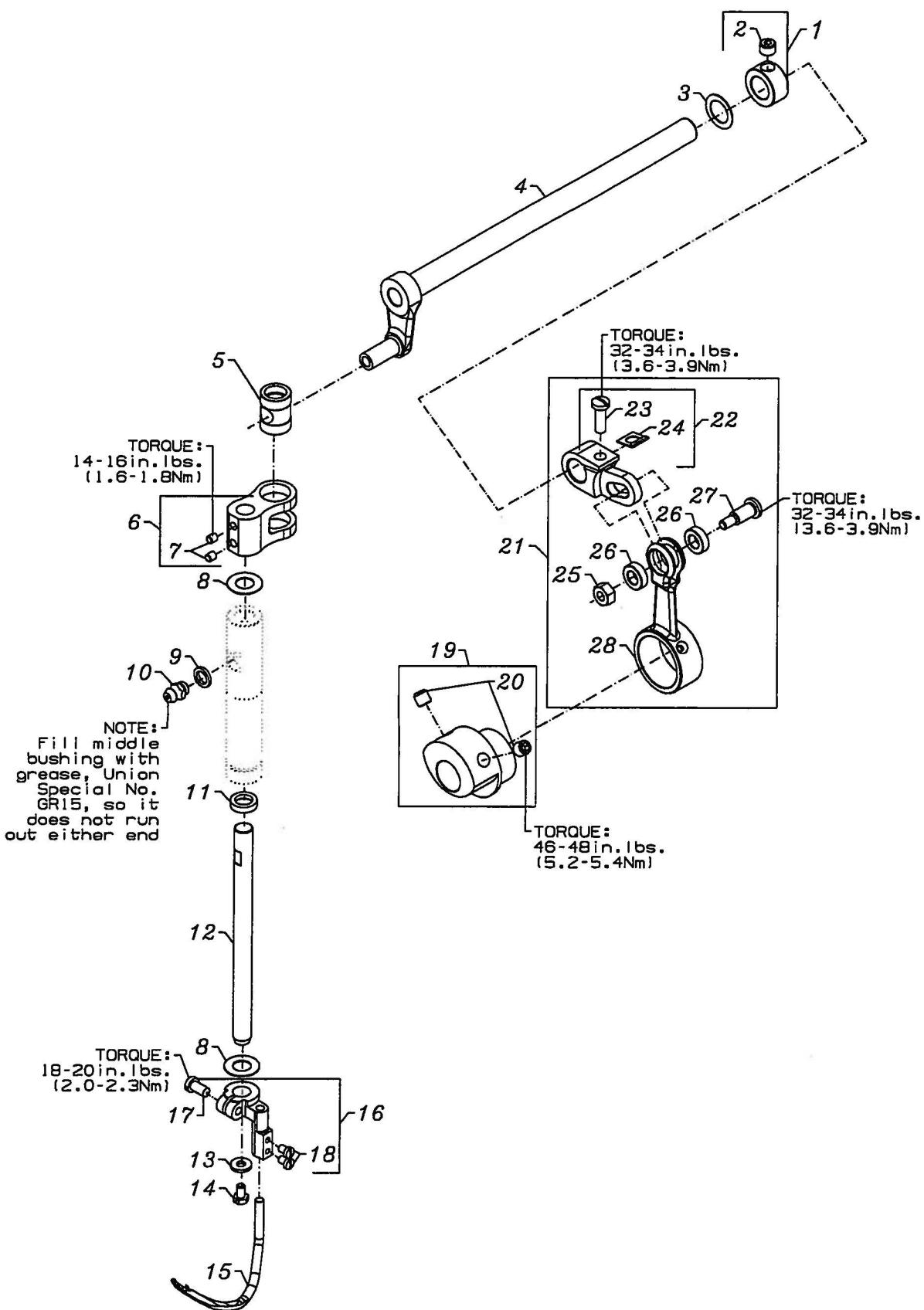


UPPER MAIN SHAFT

Ref. No.	Part No.	Description	Amt. Req.
1.	50391	Counter Weight	1
2.	SS7111120TP	Screw, for counter weight	1
3.	SS8681412TP	Screw, for counter weight	1
4.	SS7681410TP	Screw, for counter weight	1
5.	50322AF	Upper Main Shaft	1
6.	50335BD	Bearing Adapter Assembly	1
*7.		Bearing Adapter	1
8.	SS8660612TP	Screw, for bearing adapter	2
*9.		Ball Bearing, for upper main shaft, middle	1
10.	661-262	Retaining Ring	1
11.	50342BE	Sprocket, for upper main shaft	1
12.	SS8661012TP	Set Screw, for sprocket	4
13.	50321F	Handwheel	1
*14.		Ball Bearing	1
15.	SS8681412TP	Set Screw, for handwheel	2
16.	660-1043	Tack Pin, for handwheel	1
17.	661-261	Load Ring, for lower main shaft	2
18.	SS7660520SP	Screw, for handwheel preload	1

*NOTE: Not sold separately.

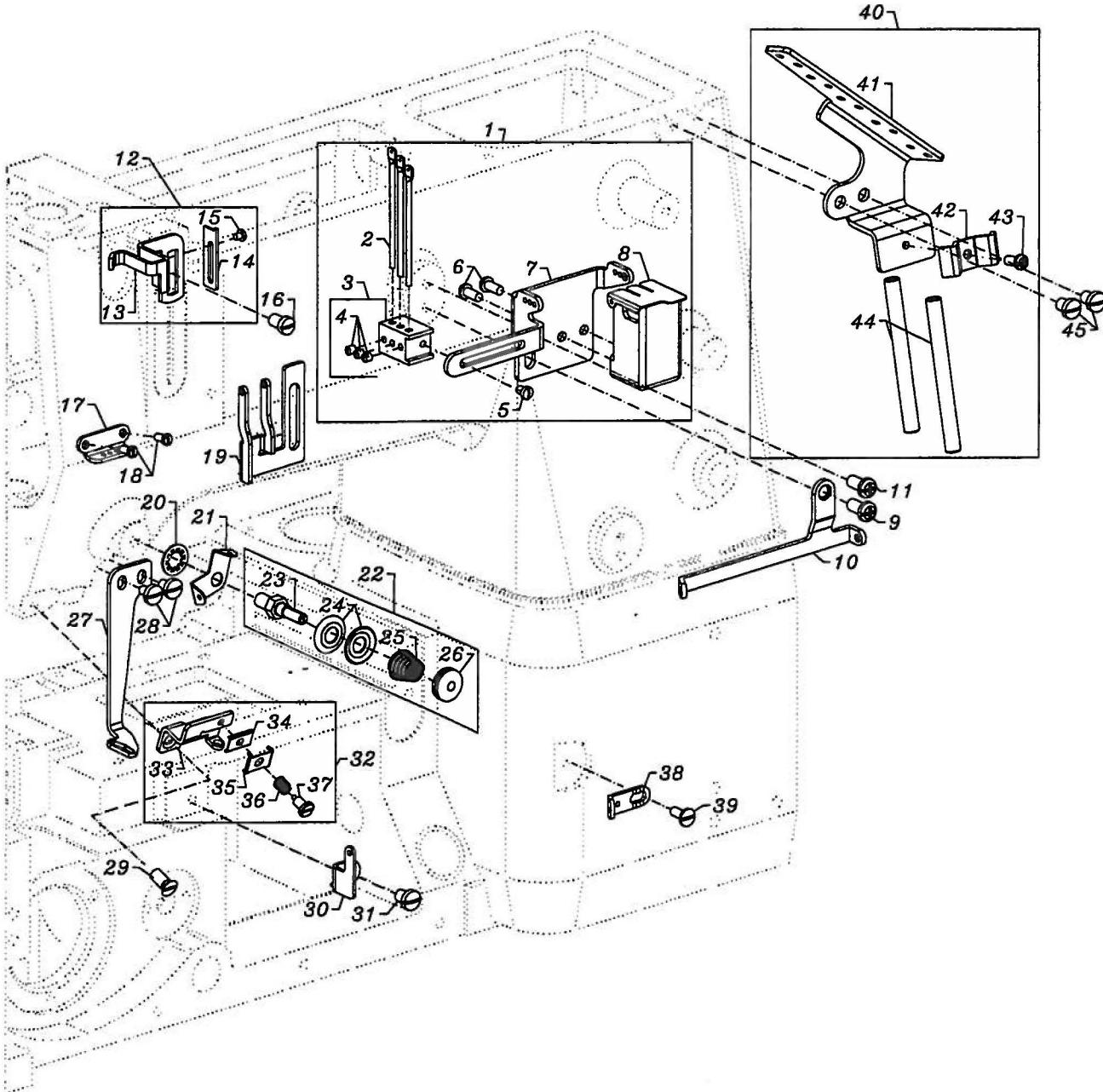




SPREADER

Ref. No.	Part No.	Description	Amt. Req.
1.	50335AW	Collar, for spreader shaft	1
2.	SS8660512TP	Set Screw	1
3.	96162B	Washer	1
4.	50360B	Crankshaft, for spreader assembly	1
5.	50347J	Pin, for spreader rocker	1
6.	50347C	Lever, for spreader holder shaft	1
7.	SS8110422TP	Set Screw	2
8.	61351C	Washer	2
9.	50335AV	Collar	1
10.	50362	Lubrication Fitting	1
11.	660-739	Oil Seal	1
12.	50347G	Shaft, for spreader, vertical	1
13.	53678N	Washer	1
14.	SS9090640SP	Hex Screw, for vertical shaft	1
15.	50360E	Spreader	1
16.	50346A	Spreader Holder	1
17.	SS7110910TP	Screw	1
18.	SS7080510TP	Screw	2
19.	50360	Eccentric, spreader drive	1
20.	SS8660612TP	Screw	2
21.	29126FL	Spreader Crank Rod Assembly	1
22.	50360C	Spreader Shaft Driving Arm	1
23.	SS7121410TP	Screw	1
24.	B2531704000	Bind Washer	1
25.	NS6110530SP	Hex Nut, for spreader drive	1
26.	50347K	Collar, for spreader driving arm	2
27.	SD0641103TP	Stud	1
28.	50360D	Connecting Rod, for spreader drive	1
-	28604X	Grease Gun (not shown, extra send charge)	1
-	GR15	Tube Of Grease, 14oz. (not shown, extra send charge)	1

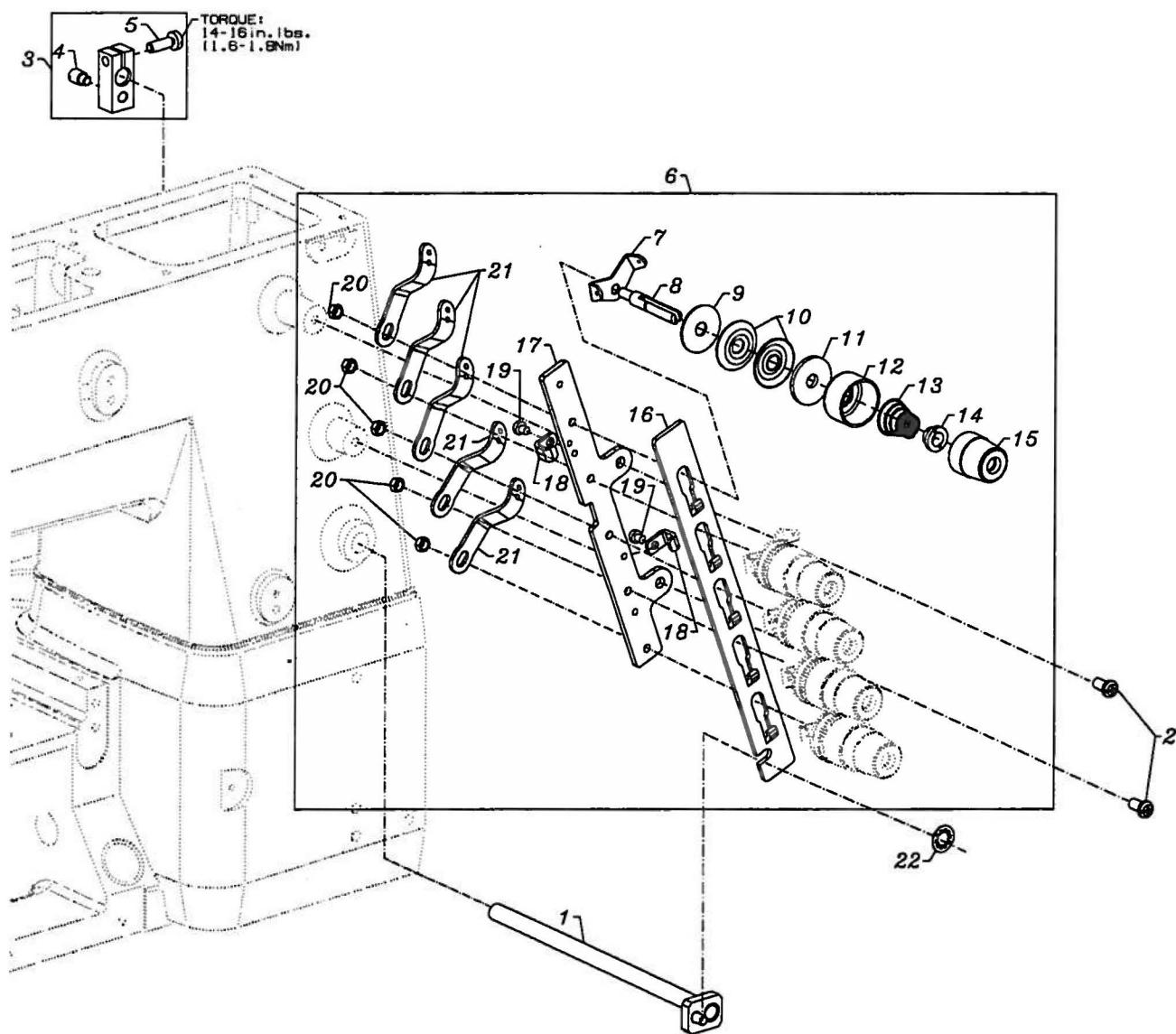




THREAD GUIDE

Ref. No.	Part No.	Description	Amt. Req.
1.	50363CJ	Needle Thread Guide and Lubricator Assembly	1
2.	36271A	Adjusting Needle Thread Eyelet	3
3.	50358W	Holder, for needle thread eyelet	1
4.	SS8080310TP	Screw	3
5.	SS7080510TP	Screw, for holder eyelet	1
6.	SS4090815SP	Screw, for silicone tank	2
7.	50392V	Needle Thread Guide	1
8.	50393HH	Silicone Thread Lubricator	1
9.	SS4120915SP	Screw, for spreader thread guide	1
10.	50358U	Thread Guide, for spreader	1
11.	SS4120615SP	Screw, for needle thread guide	1
12.	50366B	Needle Thread Strike-Off Assembly	1
13.	50358V	Needle Thread Strike-Off	1
14.	50370F	Thread Strike-Off Component	1
15.	SS7060310SP	Screw, for plate strike-off	1
16.	SS7120710SP	Screw, for strike-off	1
17.	C50044E	Needle Thread Guide	1
18.	605A	Screw, for needle thread guide	2
19.	50392T	Eyelet	1
20.	652C16	Star Washer	1
21.	57844	Eyelet	1
22.	29475CG	Spreader Thread Tension Assembly	1
23.	50392AW	Tension Post	1
24.	50392AX	Tension Disc	2
25.	50392AY	Tension Spring	1
26.	50392AZ	Tension Nut	1
27.	50346	Thread Guide Spreader	1
28.	SS7090610SP	Screw, for spreader thread guide	2
29.	SS1121010SP	Screw, for thread guide	1
30.	50392AE	Looper Frame Eyelet	1
31.	SS7120640SP	Screw	1
32.	50357AD	Nipper Plate Assembly	1
33.	50392BA	Thread Guide	1
34.	50357V	Nipper Plate	1
35.	50357Y	Nipper Spring Plate	1
36.	B1135850000	Nipper Spring	1
37.	SD0380551SL	Shoulder Screw, for nipper	1
38.	12124202	Looper Frame Eyelet	1
39.	SS7090850SP	Screw	1
40.	50392AU	Thread Eyelet Assembly	1
41.	50392S	Lead-In Tension Eyelet	1
42.	50366A	Thread Eyelet Tube Bracket	1
43.	SS4090815SP	Screw, for tube bracket	1
44.	50366	Thread Eyelet Tube	2
45.	SS7120640SP	Screw, for lead-in eyelet	2

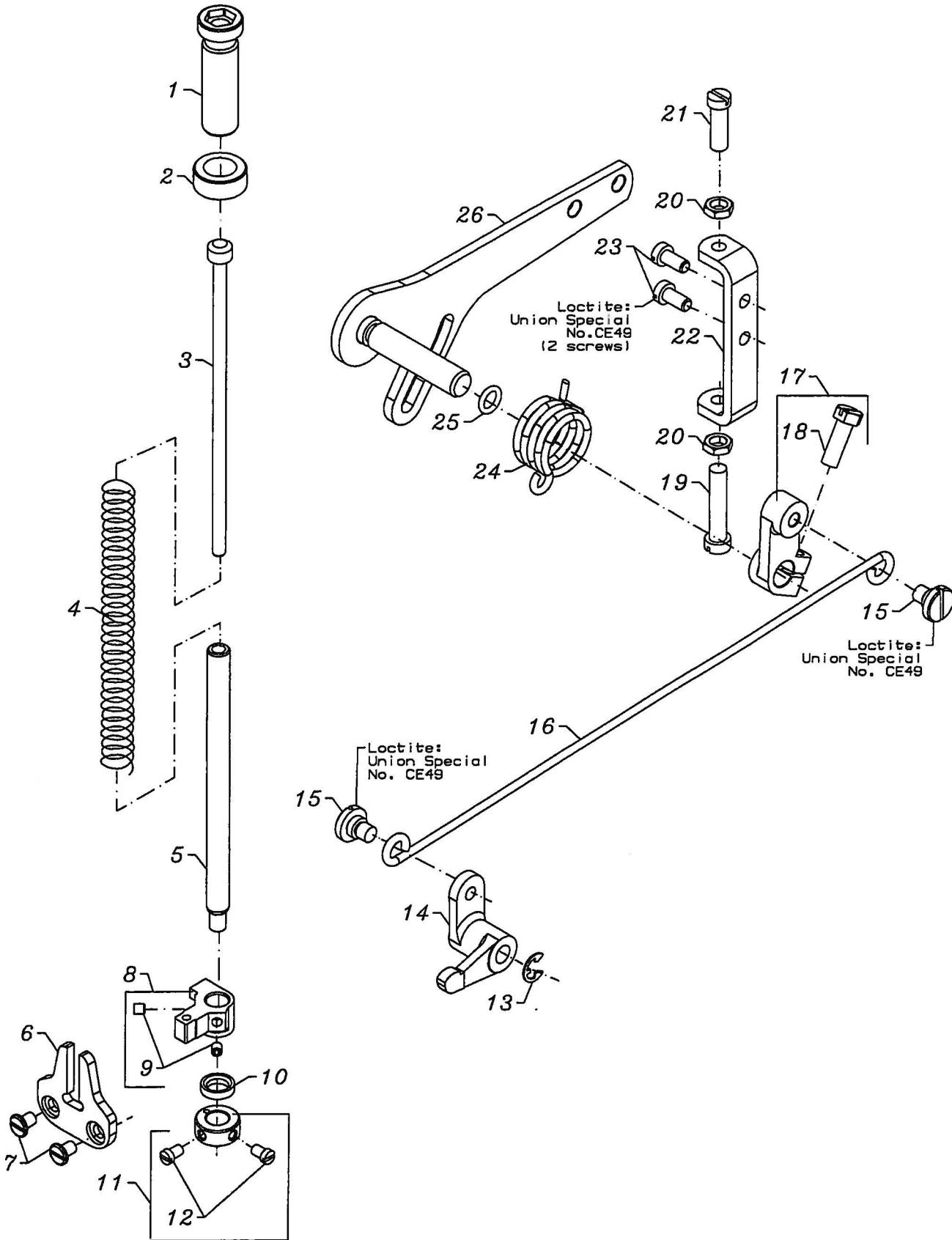




TENSION RELEASE & THREAD TENSION

Ref. No.	Part No.	Description	Amt. Req.
1.	50392Z	Tension Release Shaft Assembly	1
2.	SS4120615SP	Screw, for tension assembly	2
3.	21657Y	Tension Release Lever Shaft Connection	1
4.	402	Base Spring Screw	1
5.	22596	Binder Screw	1
6.	50392Y	5 Thread Tension Assembly	1
7.	57892K	Thread Tension Eyelet	5
8.	56392G	Tension Post	5
9.	B3120352000	Tension Disc Felt	5
10.	B3126012000	Tension Disc	10
11.	B3120704000	Tension Disc Felt	5
12.	56392H	Spring Shield	5
13.	B3101804000	Spring, needle (red)	3
-	B3103804000	Spring, spreader (blue)	1
-	B3121804000	Spring, looper (plain)	1
14.	B3112704000	Ferrule, tension spring	5
15.	56392L	Knob, needle (red)	3
-	56392M	Knob, spreader (blue)	1
-	56392R	Knob, looper (plain)	1
16.	50392W	Tension Disc Separator	1
17.	50392X	Tension Bracket	1
18.	50392AV	Guide, for tension disc separator	2
19.	SS7090520SP	Screw, for guide	2
20.	NS6110420SP	Nut	5
21.	57865	Lead-In Thread Guide	5
22.	660-283A	Retainer Washer	1

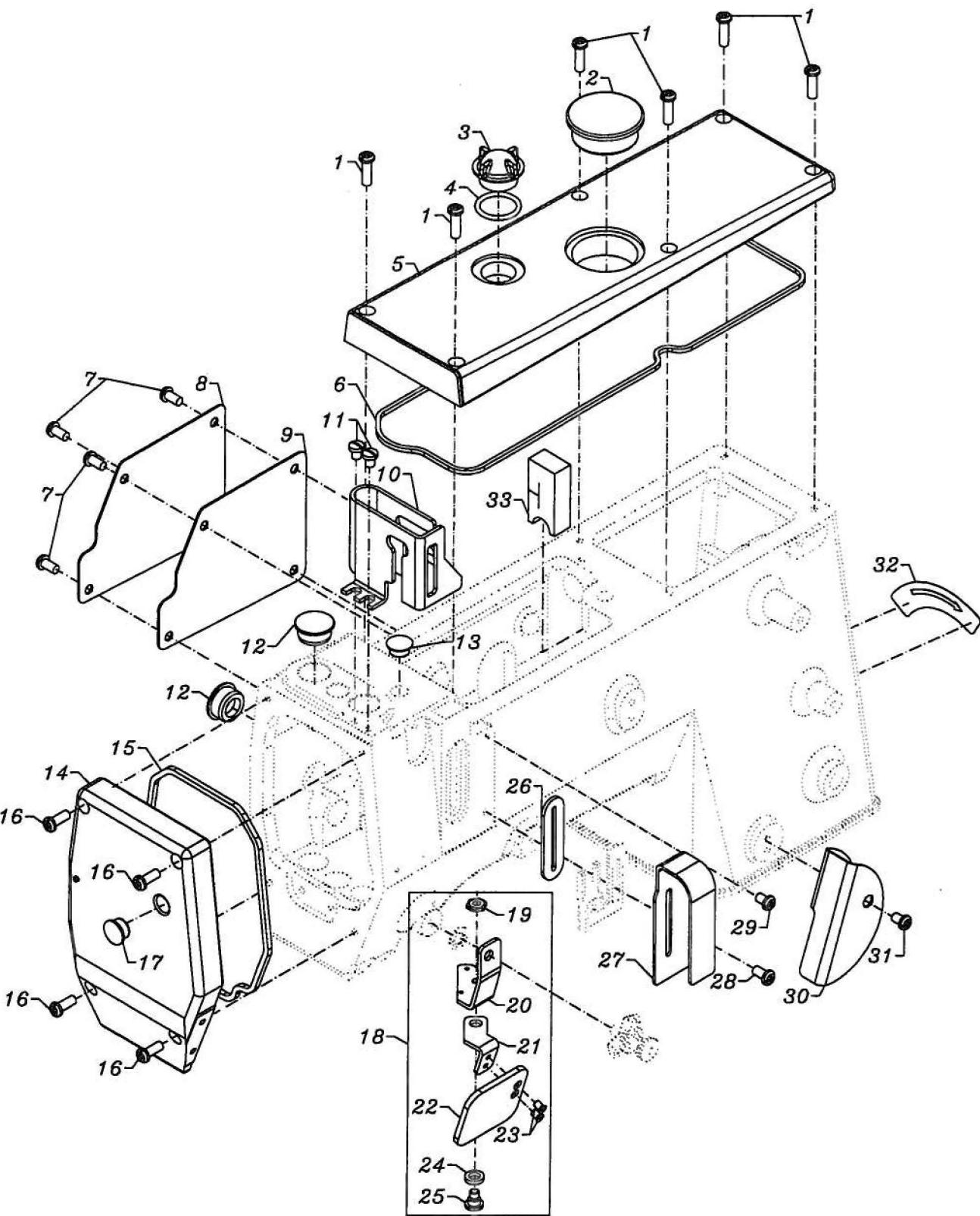




PRESSER FOOT LIFT

Ref.	No.	Part No.	Description	Amt. Req.
1.	11071602		Adjusting Screw, for spring	1
2.	11071701		Locking Nut	1
3.	C50056B		Spring Rod	1
4.	50357AA		Spring, for presser bar	1
5.	50335AF		Presser Bar	1
6.	50335AG		Guide Plate, for presser bar	1
7.	SS6110610TP		Screw, for guide plate	2
8.	50335AH		Presser Bar Guide	1
9.	SS8110422TP		Set Screw	2
10.	660-739		Oil Seal	1
11.	52888B		Collar	1
12.	22562		Screw	2
13.	RE0500000K0		Retaining Ring, for pin	1
14.	50381F		Lever, for lifter, front	1
15.	SD0790303SP		Screw, for wire connector	2
-	CE49		Loctite Adhesive, (not shown), for screw	-
16.	50355AR		Wire Connector	1
17.	50381G		Lever, for lifter, rear	1
18.	SS9151740CP		Hex Screw	1
19.	SS6153040SP		Screw, for adjusting stopper	1
20.	NS6150310SP		Hex Nut	2
21.	SS6151920SP		Screw, for adjusting stopper	1
22.	50332V		Stopper, for lifter lever	1
23.	SS6121010SP		Screw, for stopper	2
-	CE49		Loctite Adhesive, (not shown), for screw	-
24.	50381		Spring, for lifter lever	1
25.	RO068190100		"O" Ring	1
26.	50381B		Lifter Lever Assembly	1

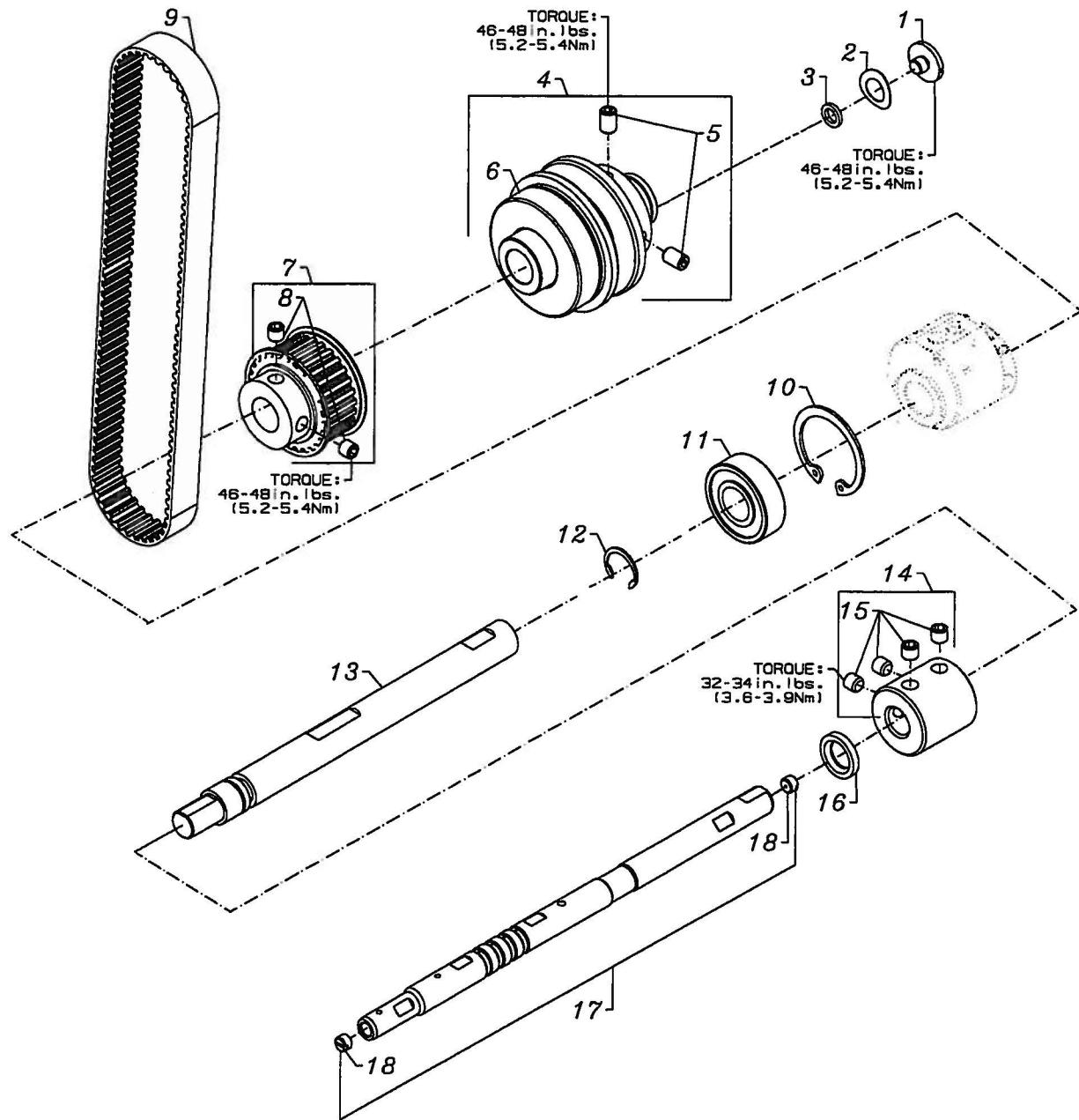




COVERS, UPPER ARM

Ref. No.	Part No.	Description	Amt. Req.
1.	SS4121615SP	Screw, for top cover	6
2.	50393EU	Plug, for top cover	1
3.	B3530555000	Oil Sight Gauge, top	1
4.	RO195240100	"O" Ring, for oil sight gauge	1
5.	50382FW	Top Cover	1
6.	50382FZ	Quad Ring, for top cover	1
7.	SS4120915SP	Screw, for puller drive cover	4
8.	50382GB	Puller Drive Cover	1
9.	50382GC	Gasket, for puller drive cover	1
10.	50317C	Needle Bar Guard	1
11.	SS7120640SP	Screw, for needle bar guard	2
12.	50393HB	Plug, for bed	2
13.	TA1050504R0	Plug, for bed	1
14.	50382FX	Head Cover	1
15.	50382FY	Quad Ring, for head cover	1
16.	SS4121215SP	Screw, for head cover	4
17.	TA1100604R0	Plug, for head cover	1
18.	99682XCA	Needle Break Protection Shield Assembly	1
19.	14077	Nut	1
20.	99682XC1	Bracket	1
21.	99682XC2	Bracket	1
22.	99682XC	Protect Shield	1
23.	22766	Counter Sunk Head Screw	2
24.	95978	Spring Washer	1
25.	22758E	Shoulder Screw	1
26.	50393EW	Rubber Seal, for needle lever	1
27.	50382GA	Cover, for thread take-up	1
28.	SS4120915SP	Screw, for thread take-up cover	1
29.	SS4120615SP	Screw, for thread cover	1
30.	50382GM	Thread Cover	1
31.	SS4120615SP	Screw, for thread take-up cover	1
32.	LA452	Label, direction of rotation	1
33.	50393JV	Sponge, oil protector	1



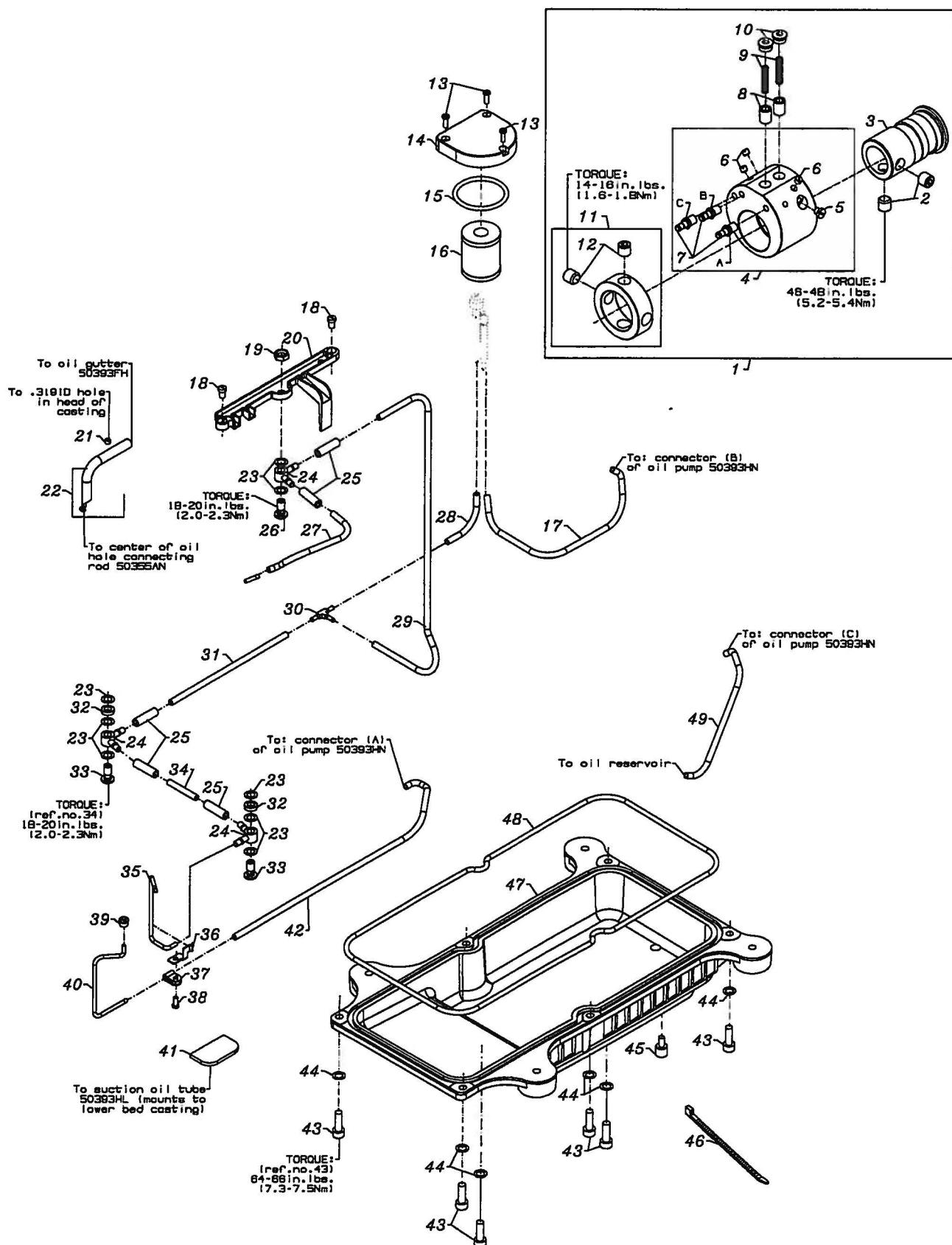


LOWER MAIN SHAFT

Ref. No.	Part No.	Description	Amt. Req.
1.	SS7660520SP	Soulder Screw, for lower main shaft, right	1
2.	660-1062	Spring Washer	1
3.	50374	Spacer, for pulley assembly	1
4.	50321G	Pulley Assembly	1
5.	SS8661012TP	Set Screw	2
*6.		Ball Bearing, for lower main shaft	1
7.	50342AX	Sprocket, for lower main shaft	1
8.	SS8660612TP	Screw	2
9.	50342BS	Timing Belt	1
10.	50335AK	Retaining Ring, for ball bearing	1
11.	50322AL	Ball Bearing, for lower main shaft	1
12.	50335BB	Retaining Ring	1
13.	50322AG	Lower Main Shaft, right	1
14.	50333A	Coupling, for lower main shafts	1
15.	SS8660612TP	Screw	4
16.	660-934	Oil Seal	1
17.	50322AJ	Lower Main Shaft, left	1
18.	SS8660410SP	Screw	2

*NOTE: Not sold separately.



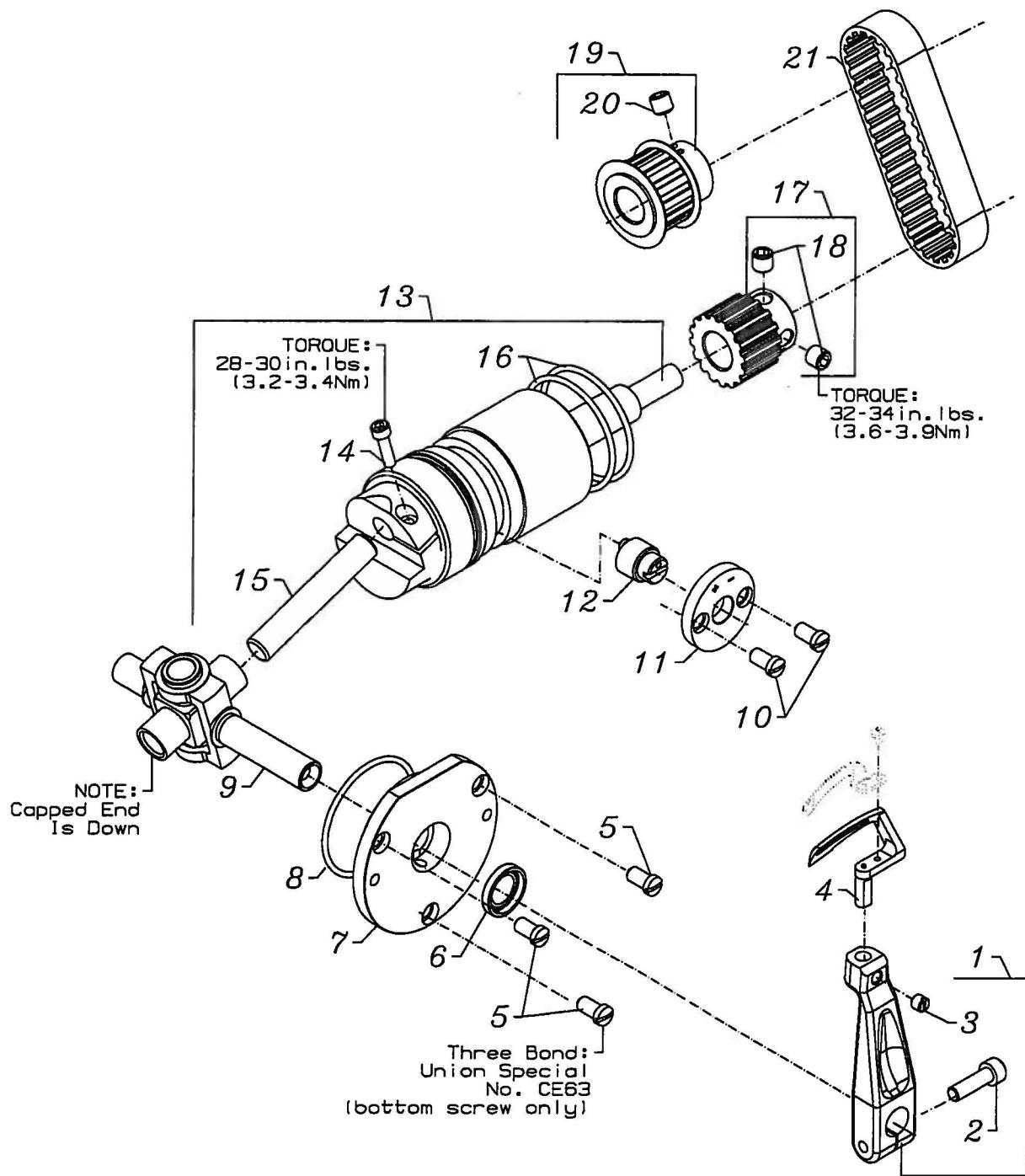


LUBRICATION

Ref. No.	Part No.	Description	Amt. Req.
1.	50393HN	Oil Pump Assembly, 2-stage	1
2.	SS8660612TP	Screw	2
*3.		Oil Pump Bushing, 2-stage	1
*4.		Oil Pump Housing, 2 stage	1
*5.		Screw, for housing	1
*6.		Screw	3
*7.		Oil Connector	3
8.	34393D	Plunger	2
9.	50332S	Spring, for plunger	2
10.	18-1470	Screw, for plunger	2
*11.		Collar, for oil pump	1
12.	SS8660612TP	Screw	2
13.	SS4091015SP	Screw, for oil filter cover	3
14.	50393FR	Cover, for oil filter	1
15.	50384	"O" Ring, for oil filter cover	1
16.	11843208	Oil Filter	1
17.	50393FV	Oil Tube, for supply (1)	1
18.	SS7120710SP	Screw, for front upper tube	2
19.	258A	Nut	1
20.	50393FH	Oil Gutter	1
21.	SS8120410SP	Set Screw	1
22.	29476SB	Oil Tubing Assembly	1
23.	41350X	Washer, for dual feed connector	8
24.	C50094B	Connector Dual Feed	3
25.	50393GT	Oil Tube Cover	5
26.	50393HE	Plug Screw	1
27.	50393FK	Oil Tube, upper, front	1
28.	50393FW	Oil Tube, for supply (2)	1
29.	50393FX	Oil Tube, for supply (3)	1
30.	50393GU	"T" Connector	1
31.	50393FY	Oil Tube, for supply (4)	1
32.	50393HM	Collar	2
33.	22720B	Screw, for dual feed connector	2
34.	50393FZ	Oil Tube, for supply (5)	1
35.	50393GA	Oil Tube, for supply (7)	1
36.	50393FS	Oil Tube Holder	1
37.	998-358F	Plastic Clip	1
38.	SS4090815SP	Screw, for oil tube holder	1
39.	50393HR	Plug, for feed chamber	1
40.	50393HL	Oil Tube, for suction (1)	1
41.	50393HK	Felt	1
42.	50393HJ	Oil Tube, for suction (2)	1
43.	SS6151812TP	Screw, for oil pan	6
44.	WS0631510KP	Spring Washer	6
45.	22571E	Screw, for oil drain plug	1
46.	670E2	Plastic Lock Band	1
47.	50393EB	Oil Pan	1
48.	50384A	"O" Ring	1
49.	50393FT	Oil Tube, for suction	1

*NOTE: Not sold separately.

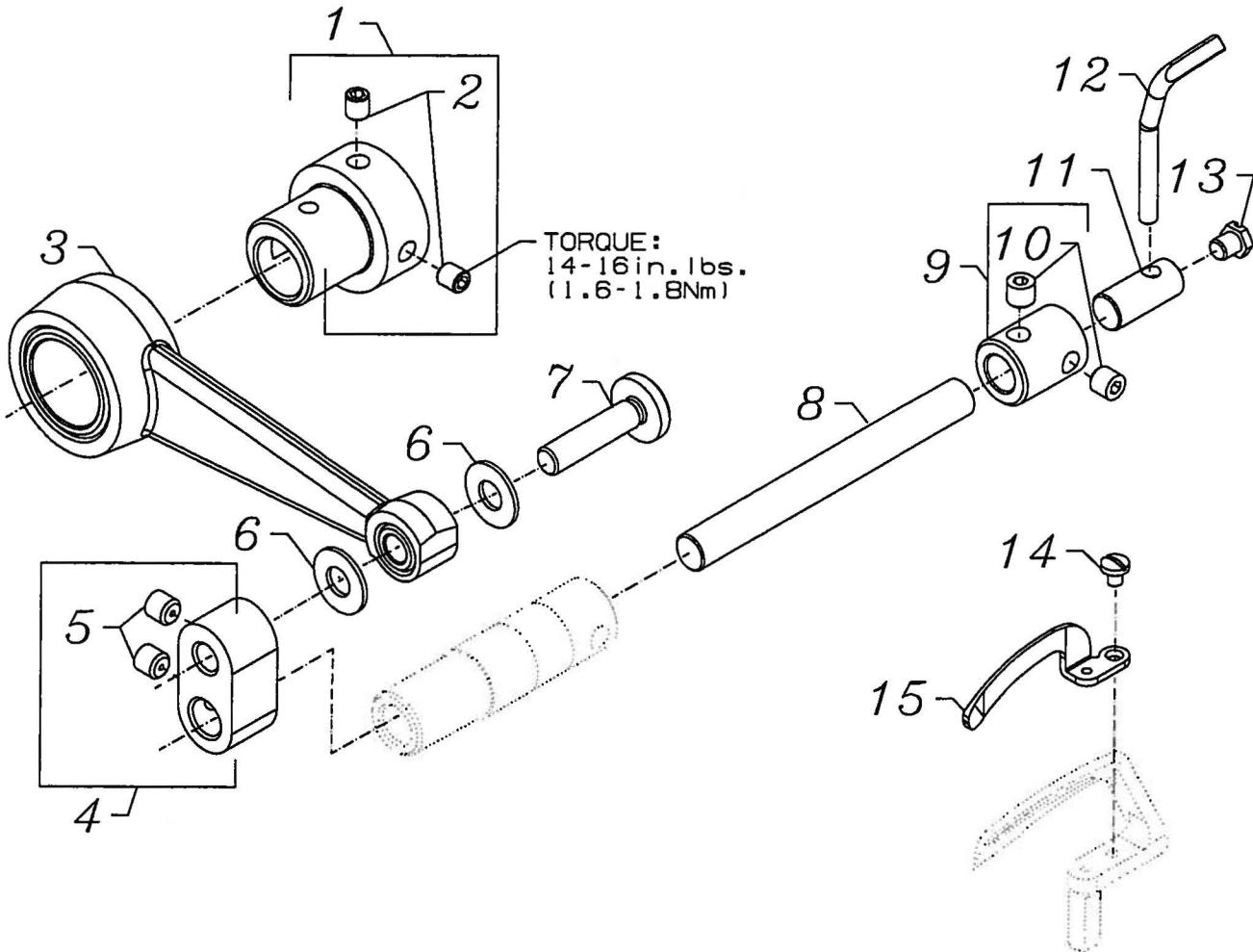




LOOPER DRIVE

Ref. No.	Part No.	Description	Amt. Req.
1.	50313P	Looper Holder	1
2.	22652B10	Screw, for looper holder	1
3.	22565	Screw, for looper holder	1
4.	50309K	Looper	1
5.	SS7120910SP	Screw, for bearing housing	3
-	CE63	Three Bond Adhesive, (not shown), for screw	-
6.	660-893	Oil Seal, looper	1
7.	50344AM	Bearing Housing Assembly, for looper drive	1
8.	660-455	"O" Ring, for bearing housing assembly	1
9.	50313J	Looper Rocker Assembly	1
10.	SS7120910SP	Screw, for retaining plate	2
11.	50314F	Eccentric Retaining Plate	1
12.	50314E	Looper Avoid Adjusting Eccentric	1
13.	50313M	Looper Drive Assembly	1
14.	22653J8	Screw	1
15.	667J33	Crank Pin	1
16.	660-979	"O" Ring	2
17.	50342BJ	Sprocket, for looper driven	1
18.	SS8660612TP	Screw	2
19.	50342BK	Sprocket, for looper drive	1
20.	SS8660612TP	Screw	2
21.	50342BP	Looper Drive Belt	1



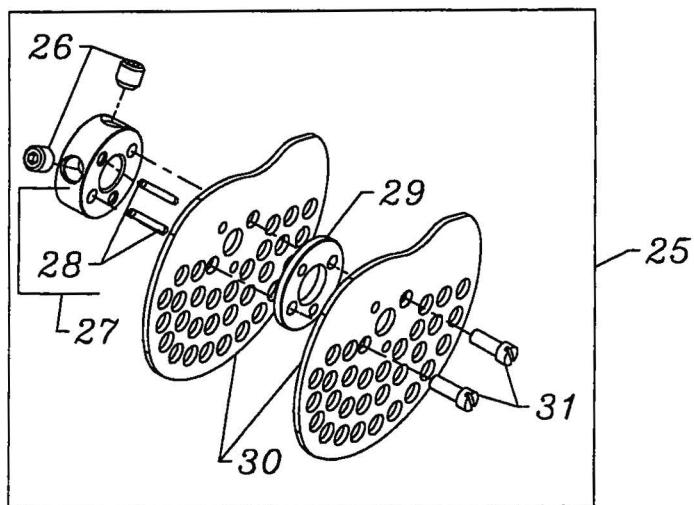
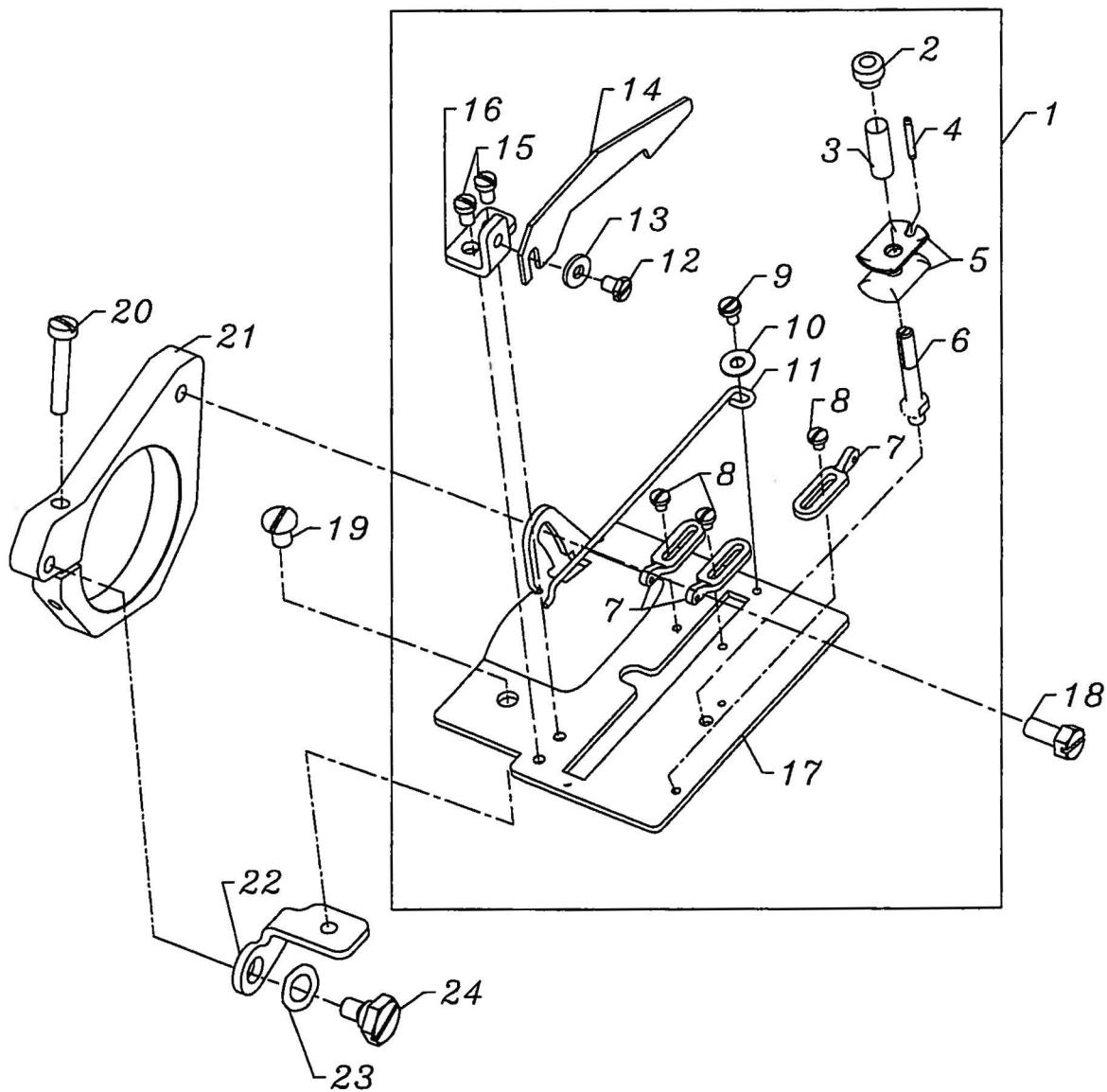


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NEEDLE GUARD

Ref. No.	Part No.	Description	Amt. Req.
1.	50373DA	Needle Guard Eccentric	1
2.	SS8110422TP	Screw, for needle guard eccentric	2
3.	50368W	Connecting Rod Assembly, for needle guard	1
4.	50368T	Pivot Link	1
5.	SS8110422TP	Screw	2
6.	50368E	Washer	2
7.	50368A	Pivot Pin	1
8.	50368V	Shaft, for needle guard	1
9.	50354L	Coupling, for needle guard	1
10.	SS8110422TP	Screw	2
11.	50325AF	Holder, for needle guard	1
12.	50325AE	Needle Guard, rear	1
13.	SS9090410TP	Screw, for rear needle guard	1
14.	SS7060310SP	Screw, for front needle guard	1
15.	50325AD	Needle Guard, front	1

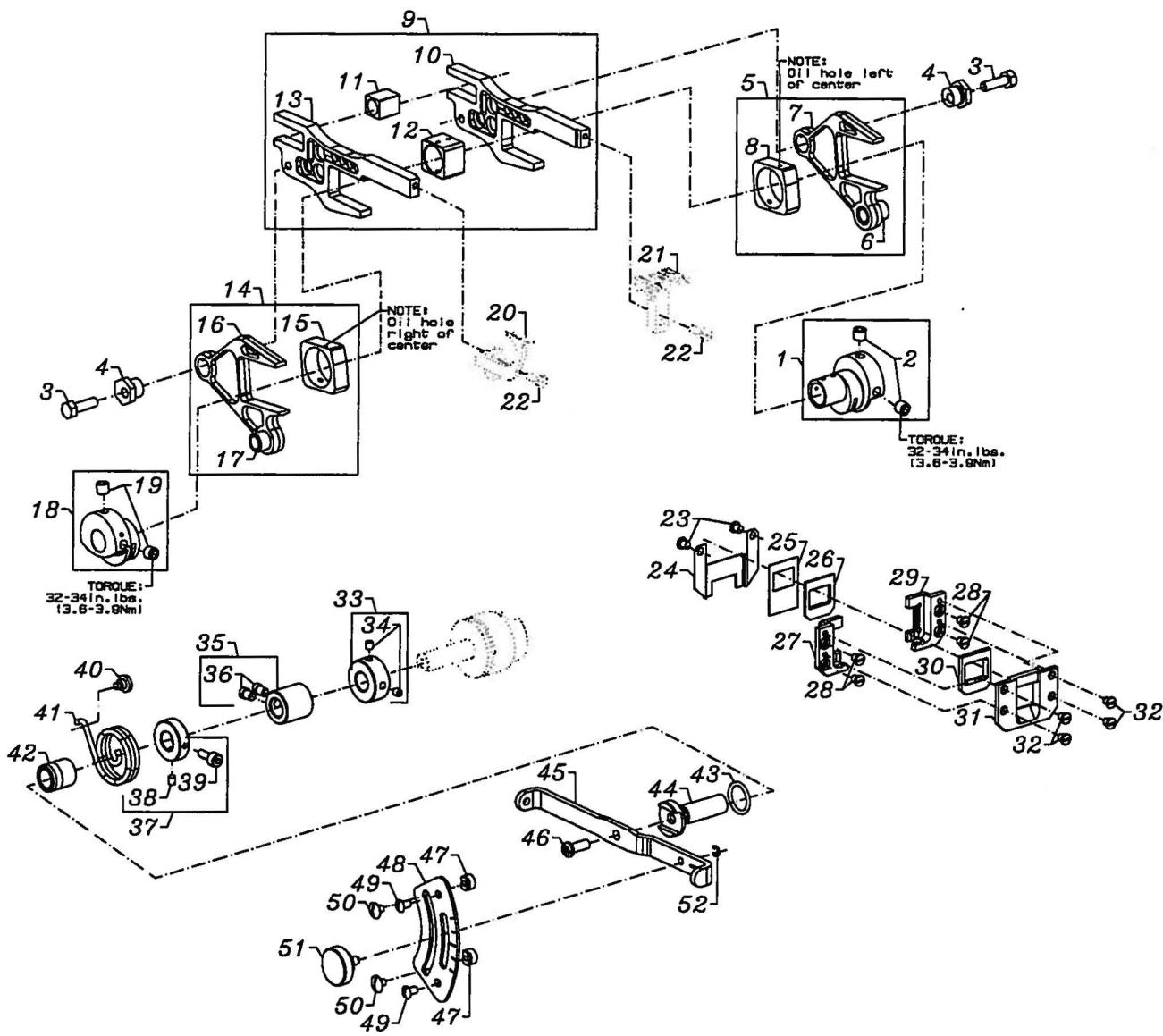




LOOPER THREAD TAKE-UP

Ref. No.	Part No.	Description	Amt. Req.
1.	50357X	Cast-Off Plate Assembly	1
2.	51959D	Knurled Nut	1
3.	51959K	Tension Spring	1
4.	51959L	Roll Pin	1
5.	51959B	Tension Disc	2
6.	51492	Tension Post	1
7.	52958D	Take-up Eyelet	3
8.	SS7060310SP	Screw	3
9.	SS6060440TP	Screw	1
10.	WP0330501SP	Washer	1
11.	50304H	Strike-Off Wire	1
12.	SS9080410SP	Screw	1
13.	41358	Washer	1
14.	50304L	Retaining Finger	1
15.	SS7080520SP	Screw	2
16.	50383E	Mounting Bracket	1
17.	50357W	Cast-Off Plate	1
18.	SS9111010SP	Screw, for collar bracket	1
19.	SS6110610TP	Screw, for cast-off holder	1
20.	SS7092110TP	Screw, for collar bracket	1
21.	50383F	Take-Up Collar Bracket	1
22.	50304K	Cast-Off Plate Holder	1
23.	WZ0640200KP	Washer	1
24.	SD0630275SP	Shoulder Screw, for cast-off plate holder	1
25.	50323R	Take-Up Assembly	1
26.	22894C	Set Screw	2
27.	50323B	Take-up Hub	1
28.	22-348	Pin	2
29.	50377R	Spacer	1
30.	50323H	Disc, for take-up	2
31.	77B	Screw, for take-up disc	2



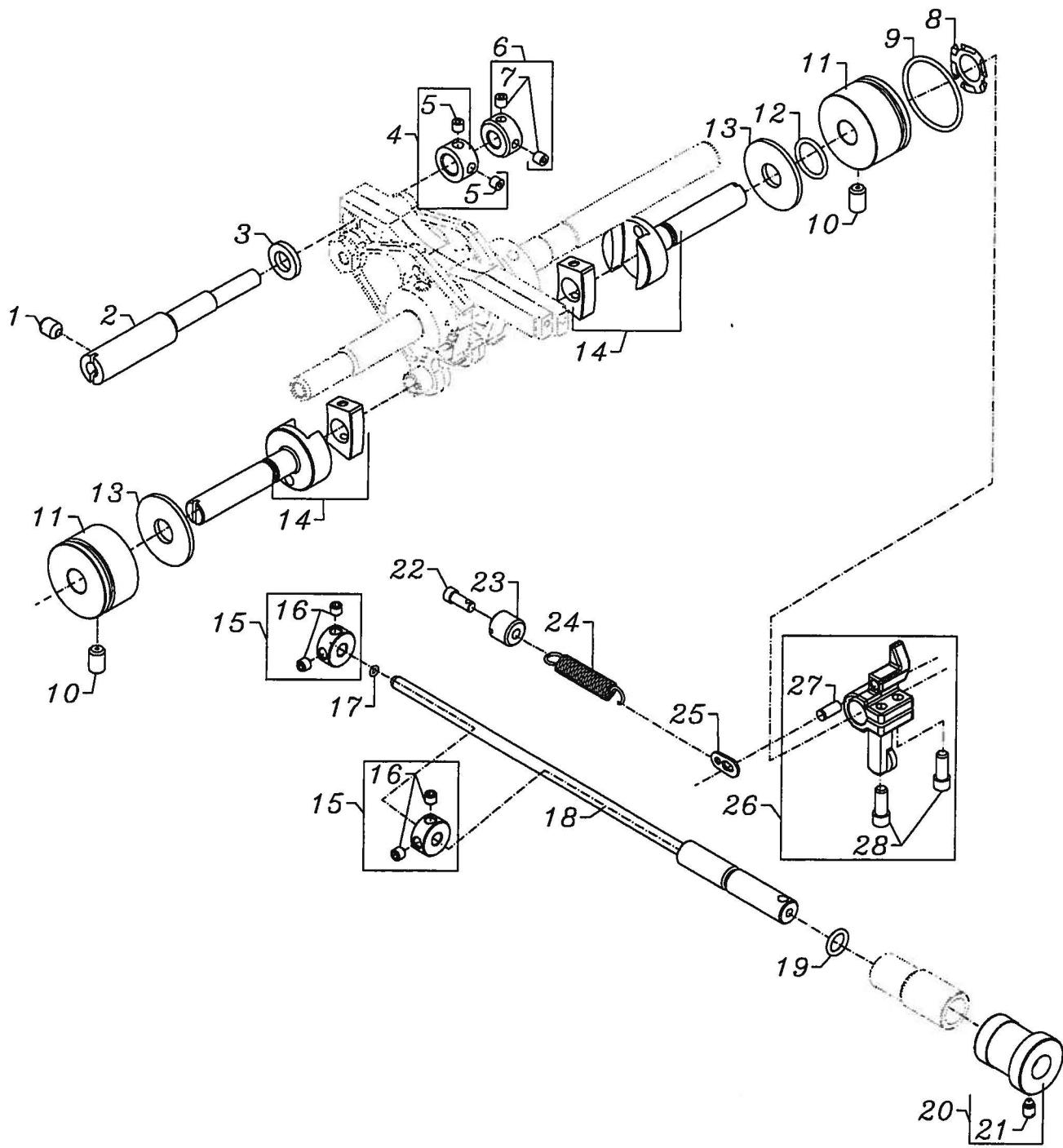


FEED DRIVE MECHANISM

Ref. No.	Part No.	Description	Amt. Req.
1.	50340D	Feed Eccentric, main	1
2.	SS8660612TP	Screw, for feed drive fork screw	2
3.	18-1432	Screw	2
4.	50334BD	Hex Eccentric Stud	2
5.	50334AX	Drive Fork Assembly, right	1
6.	50336U	Link Pin	1
*7.		Fork	1
*8.		Feed Block, right	1
9.	50334BE	Feed Bar Assembly	1
*10.		Feed Bar, main	1
*11.		Slide Block	1
*12.		Stroke Block	1
*13.		Feed Bar, differential	1
14.	50334AW	Drive Fork Assembly, left	1
*15.		Feed Block, left	1
*16.		Fork	1
17.	50336U	Link Pin	1
18.	50340E	Feed Eccentric, differential	1
19.	SS8660612TP	Screw	2
20.	-----	Feed Dog, differential (see page 43)	1
21.	-----	Feed Dog, main (see page 43)	1
22.	-----	Screw, for feed dogs (see page 43).....	2
23.	SS7090530SP	Screw, for oil shield	2
24.	50334Y	Oil Shield	1
25.	50334V	Oil Scraper, front	1
26.	50334BH	Feed Bar Seal	1
27.	50335AM	Guide Plate, left, rear	1
28.	SS7090530SP	Screw, for guide plate, left rear	4
29.	50335BA	Guide Plate, right, rear	1
30.	50334BJ	Feed Bar Seal	1
31.	50335AN	Guide Plate, front	1
32.	SS7090530SP	Screw, for guide plate, right, rear	4
33.	50337S	Collar	1
34.	SS8110422TP	Screw	2
35.	50337L	Coupling, for differential feed lever	1
36.	SS6110650TP	Screw	2
37.	50337R	Collar, for differential feed lever	1
38.	SS8090740SP	Screw	1
39.	SS6091022TP	Screw	1
40.	SD0550271TP	Screw, for spring	1
41.	50337M	Spring, for differential feed lever	1
42.	50337N	Bushing, differential feed lever	1
43.	RO068190100	"O" Ring	1
44.	50337J	Stem, for differential feed lever	1
45.	50337H	Differential Feed Lever	1
46.	SS4121215SP	Screw, for stem	1
47.	50337U	Stop	2
48.	50337K	Plate, for differential feed lever	1
49.	SS5090610SP	Screw, for plate	2
50.	SS3090530SP	Screw, for stop	2
51.	50337P	Knob, for differential feed lever	1
52.	RE0250000KO	"E" Ring	1

*NOTE: Not sold separately.

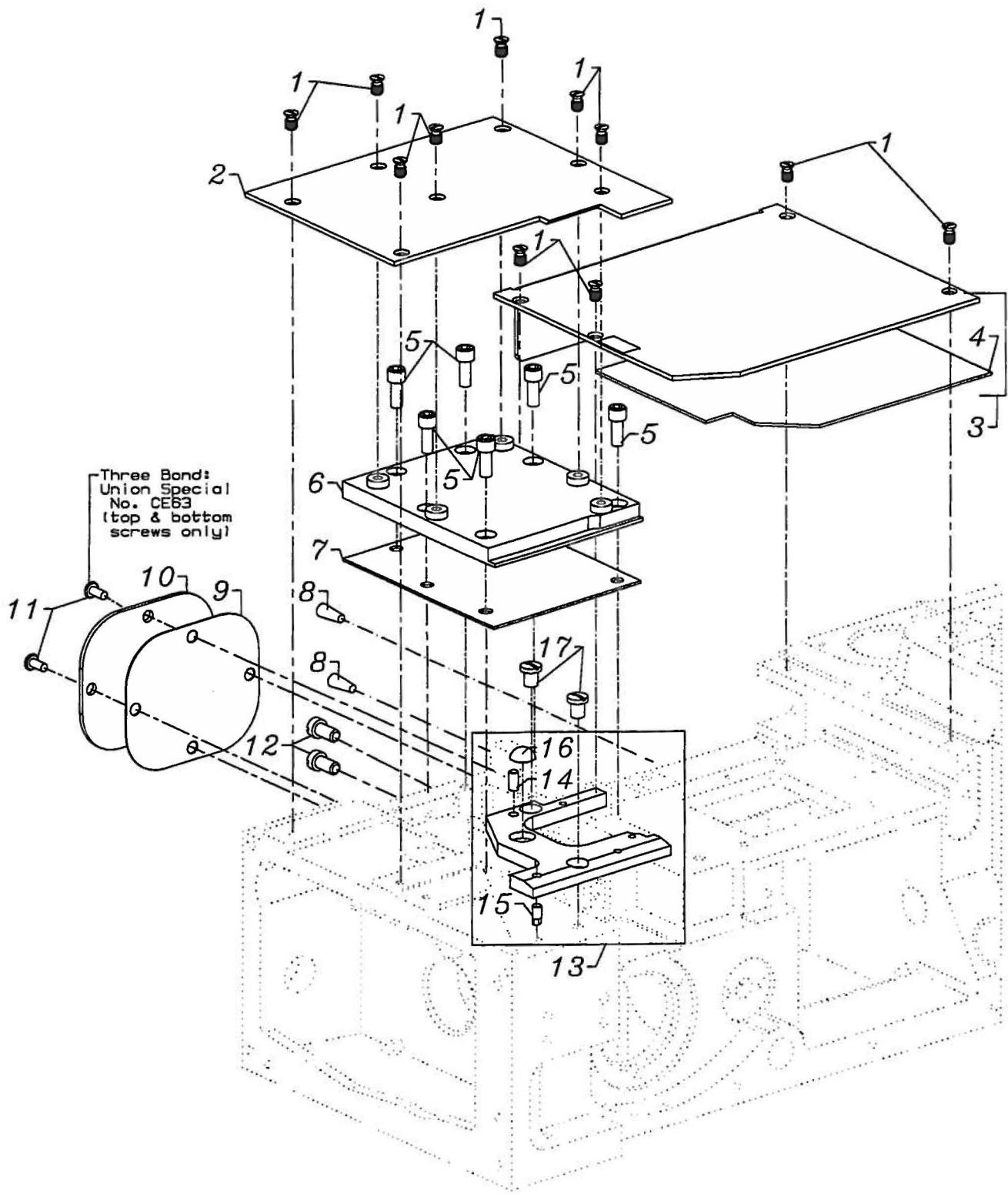




FEED DRIVE MECHANISM

Ref. No.	Part No.	Description	Amt. Req.
1.	22591A	Screw, for eccentric shaft	1
2.	50334BC	Eccentric Shaft	1
3.	50368AD	Washer, for eccentric shaft	1
4.	50334BB	Collar	1
5.	SS8110422TP	Screw	2
6.	50337T	Collar, for eccentric shaft	1
7.	SS8110422TP	Screw	2
8.	661-96	Spring Washer	1
9.	660-969	"O" Ring, for bushing	1
10.	SS8661012TP	Screw	2
11.	35036F	Bushing, for stitch adjusting shaft	2
12.	660-220	"O" Ring, for stitch adjusting shaft	1
13.	35036AZ	Brake Pad	2
14.	50379S	Stitch Adjusting Shaft Assembly	2
15.	50335D	Collar	2
16.	22894P	Screw	4
17.	660-980	"O" Ring, stitch control shaft	1
18.	50335E	Shaft, for stitch control	1
19.	660-206	Washer, for stitch control shaft	1
20.	35036AP	Stitch Knob, indicator	1
21.	22764A	Screw	1
22.	50335	Spring Retainer	1
23.	22714C	Screw, for spring retainer	1
24.	50355	Spring	1
25.	50335A	Spring Holder	1
26.	50336S	Stitch Control Lever	1
27.	661-35	Pin	1
28.	22596H	Screw	2

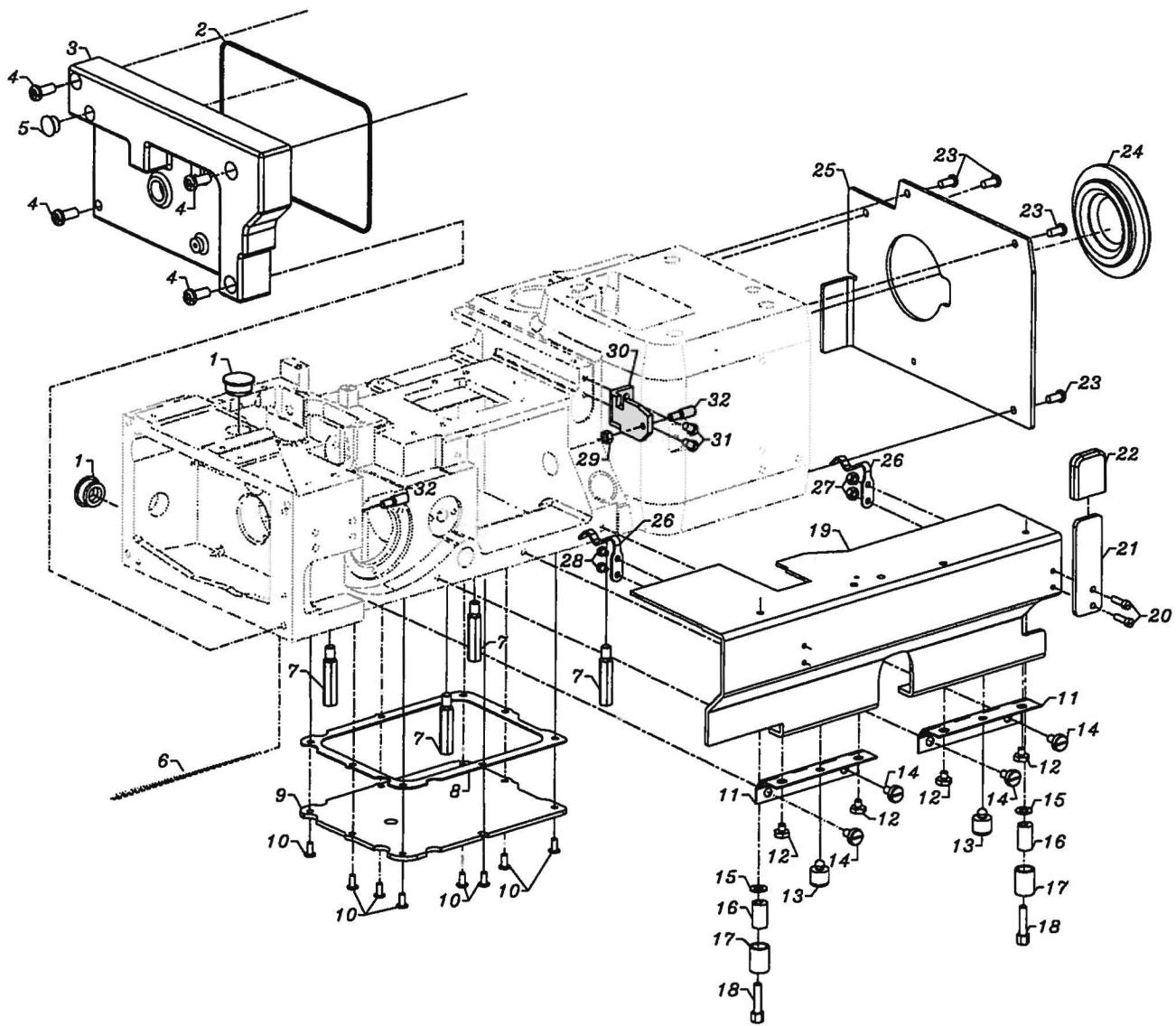




COVERS, LOWER BED

Ref. No.	Part No.	Description	Amt. Req.
1.	18-1448	Screw	11
2.	50301BH	Cloth Plate, left	1
3.	50301BF	Cloth Plate, right	1
4.	50303B	Acoustic Pad	1
5.	SS6121212TP	Screw, swing plate	6
6.	50382CP	Cover, for feed chamber	1
7.	50382CS	Gasket	1
8.	C067D	Cork	2
9.	50382CR	Gasket	1
10.	50382CL	Cover, for feed chamber, rear	1
11.	SS4120615SP	Screw, for cover	4
-	CE63	Three Bond Adhesive, (not shown), for screw	-
12.	22517	Screw, for bed	2
13.	50380KA	Throat Plate Support, complete	1
14.	50336W	Dowel Pin	2
15.	50328	Diamond Pin	1
16.	660-939	Rubber Bumper, for throat plate support	1
17.	SS7150740SP	Screw	2

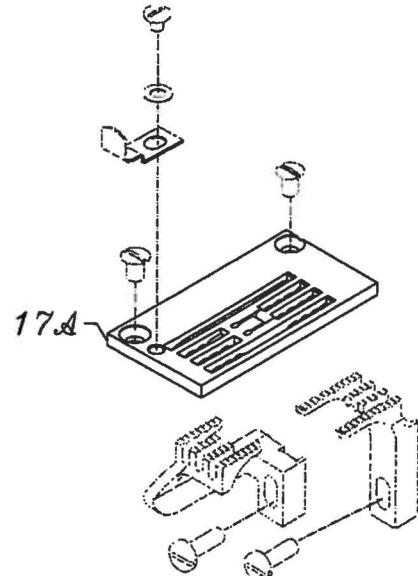
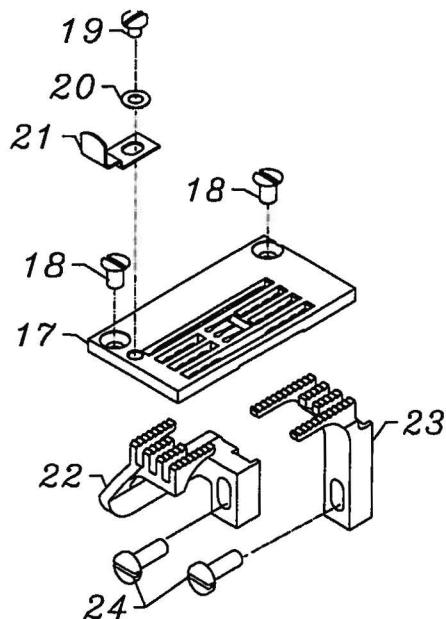
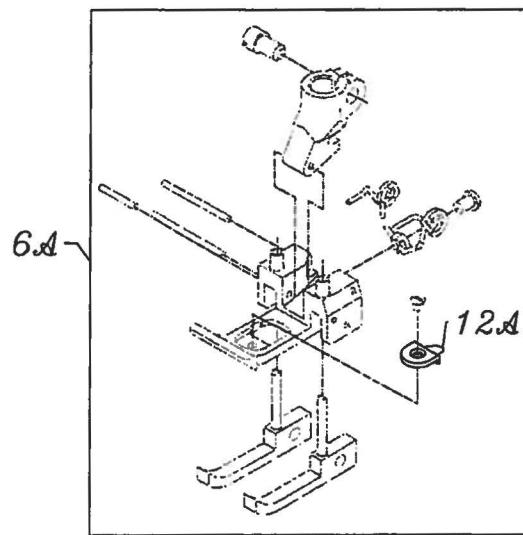
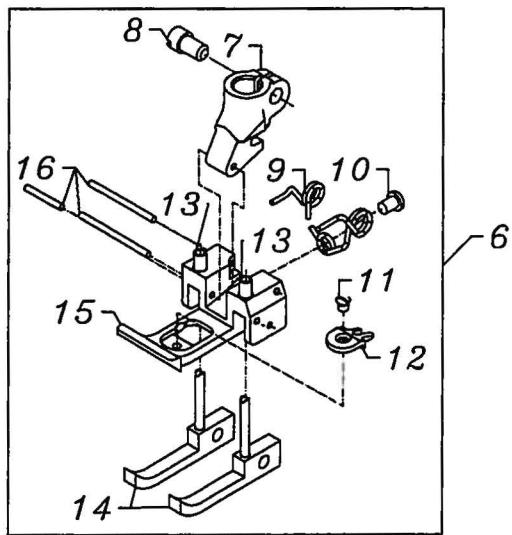
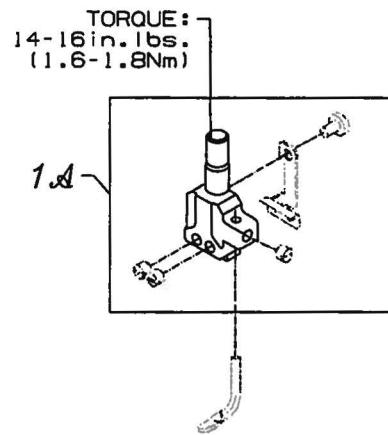
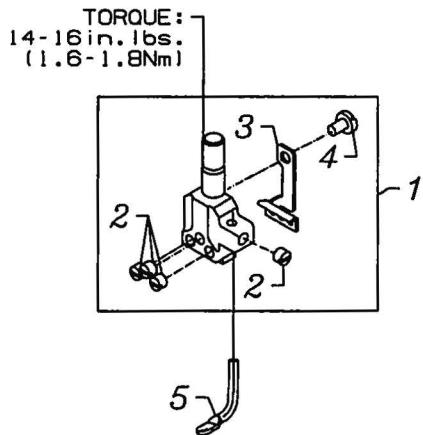




COVERS, LOWER BED

Ref. No.	Part No.	Description	Amt. Req.
1.	50393HB	Plug	2
2.	50382CM	Quad Ring	1
3.	50382CH	Left End Cover	1
4.	SS4151415SP	Screw	4
5.	50393HA	Plug	1
6.	WO3	Oil Wick	1
7.	22841U	Machine Support Stud	4
8.	50383G	Gasket	1
9.	50382CG	Dry Chamber Cover	1
10.	SS7090850SP	Screw	8
11.	50378S	Hinge	2
12.	SS9110543CP	Screw	4
13.	660-1020	Rubber Bumper	2
14.	SS6120930TP	Screw	4
15.	20	Washer	2
16.	50382T	Stop, for front cover	2
17.	50393W	Rubber Bumper	2
18.	22519J	Screw	2
19.	50382CK	Swing Down Cover	1
20.	22729D	Screw	2
21.	50363CH	Lever	1
22.	50382GT	Handle Cap	1
23.	SS4121015SP	Screw	4
24.	50393HU	Plug	1
25.	50382CJ	Cover, for drive belt	1
26.	50332A	Latch Spring	2
27.	39250J	Nut	2
28.	22513D	Screw	2
29.	35569J	Nut	1
30.	50332B	Support Block	1
31.	SS7120710SP	Screw	2
32.	22799AH	Spring Latch Stud	2

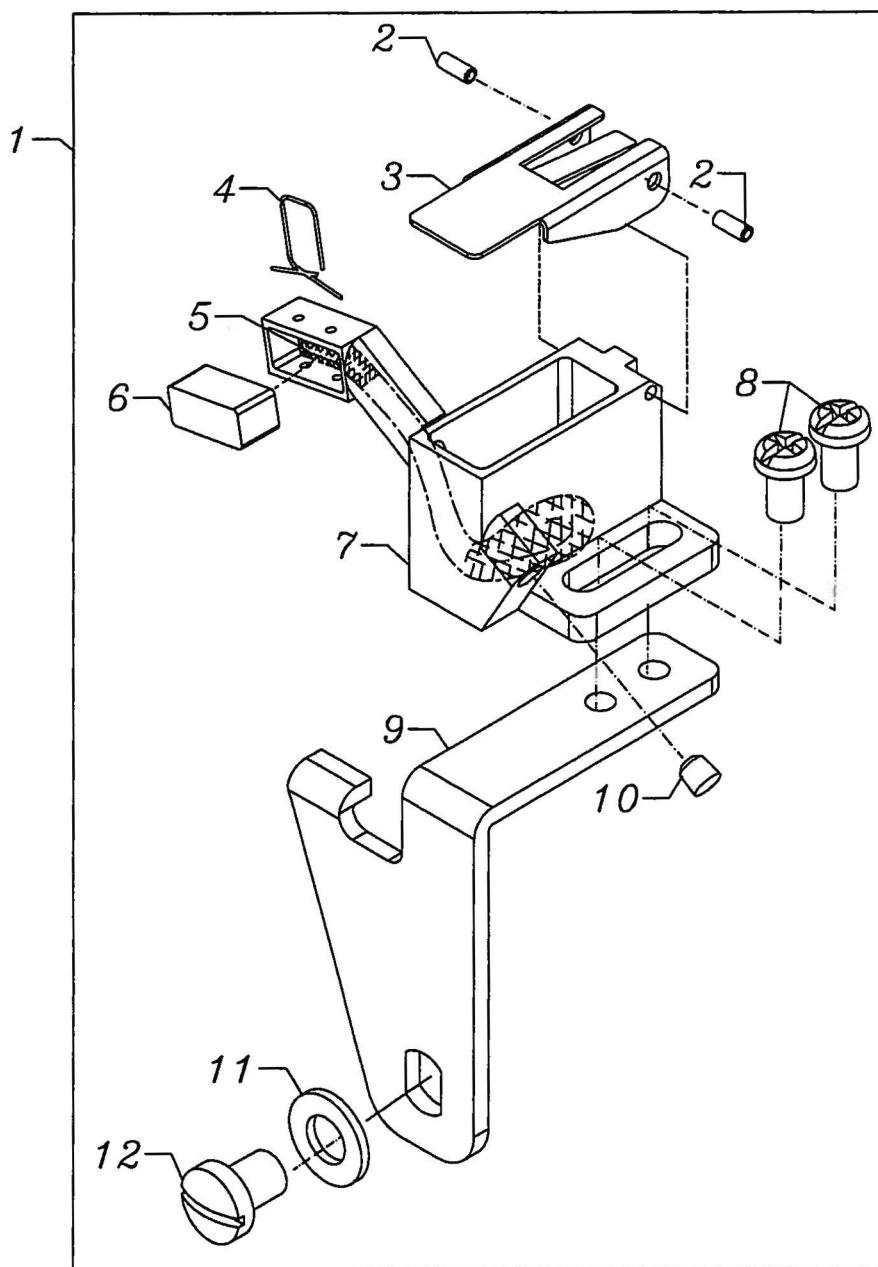




SEWING PARTS

Ref. No.	Part No.	Description	Amt. Req.
1.	50318Y60	Needle Head, for Style FS332L01-3B_._.060 gauge	1
-	50318AA56	Needle Head, for Style FS332L01-3B_._.056 gauge	1
1A.	50318Z40	Needle Head, for Style FS332L01-2C_._.040 gauge	1
2.	SS8080310TP	Screw	3 or 4
3.	50318AE56	Eyelet	1
4.	SS6060440TP	Screw	1
5.	50392G	Needle Thread Eyelet	1
6.	50320T60	Presser Foot, for Style FS332L01-3B_._.056 and .060 gauge	1
6A.	50320AT	Presser Foot, for Style FS332L01-2C_._.040 gauge	1
7.	G65-134	Shank	1
8.	91	Screw	1
9.	79633	Spring	1
10.	605	Screw	1
11.	22716A	Screw	1
12.	50397A16	Stitch Tongue, for Style FS332L01-3B_._.056 and .060 gauge	1
12A.	50397G	Stitch Tongue, for Style FS332L01-2C_._.040 gauge	1
13.	G50-266	Bushing	2
14.	57830A	Yielding Section	2
15.	50330BL16	Presser Foot Bottom	1
16.	6-25-55	Drill Rod	3
17.	50324BR60	Throat Plate, for Style FS332L01-3B_._.060 gauge	1
-	50324BR56	Throat Plate, for Style FS332L01-3B_._.056 gauge	1
17A.	50324BJ40	Throat Plate, for Style FS332L01-2C_._.040 gauge	1
18.	87	Screw, for throat plate	2
19.	22561	Screw, for guide	1
20.	27-435BLK	Washer, for screw	1
21.	23195	Guide	1
22.	50326AE	Differential Feed Dog	1
23.	50305AN	Main Feed Dog	1
24.	SS7091110TP	Screw, for feed dogs	2

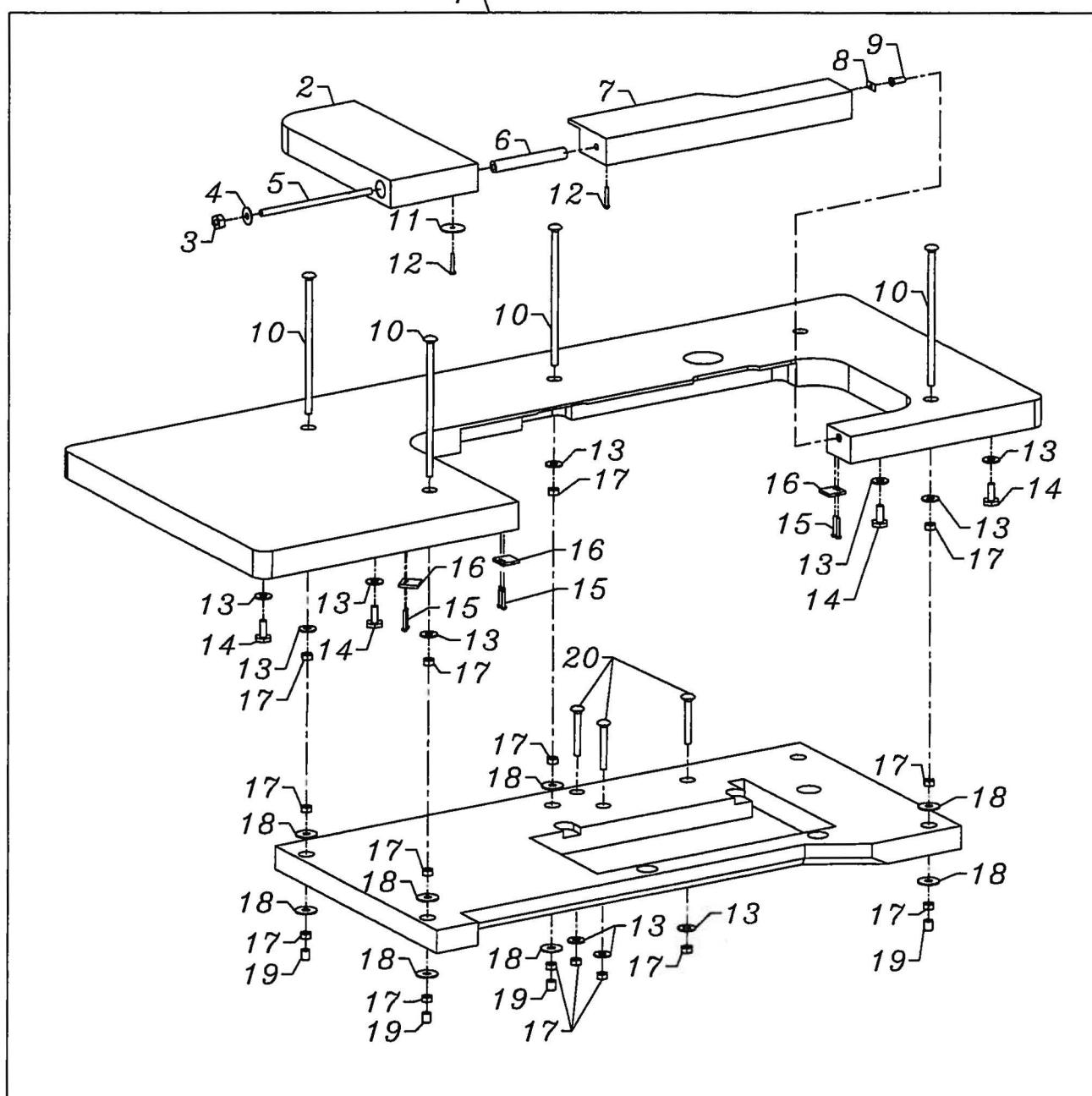




NEEDLE DIPPER (EXTRA SEND CHARGE)

Ref. No.	Part No.	Description	Amt. Req.
1.	29476RZ	Needle Dipper Assembly	1
2.	PS0160042KH	Roll Pin	2
3.	50393JD	Needle Dipper Cover	1
4.	50393GS	Wire, for needle dipper	1
5.	CQ202000000	Oil Wick, for needle dipper	1
6.	50393GK	Felt, for needle dipper	1
7.	50393JC	Needle Dipper	1
8.	SS4090615SP	Screw, for needle dipper	2
9.	50393GP	Silicone Oil Tank Holder	1
10.	50393GG	Plug	1
11.	WP0531000SD	Washer	1
12.	SS4120615SP	Screw, for needle dipper holder	1

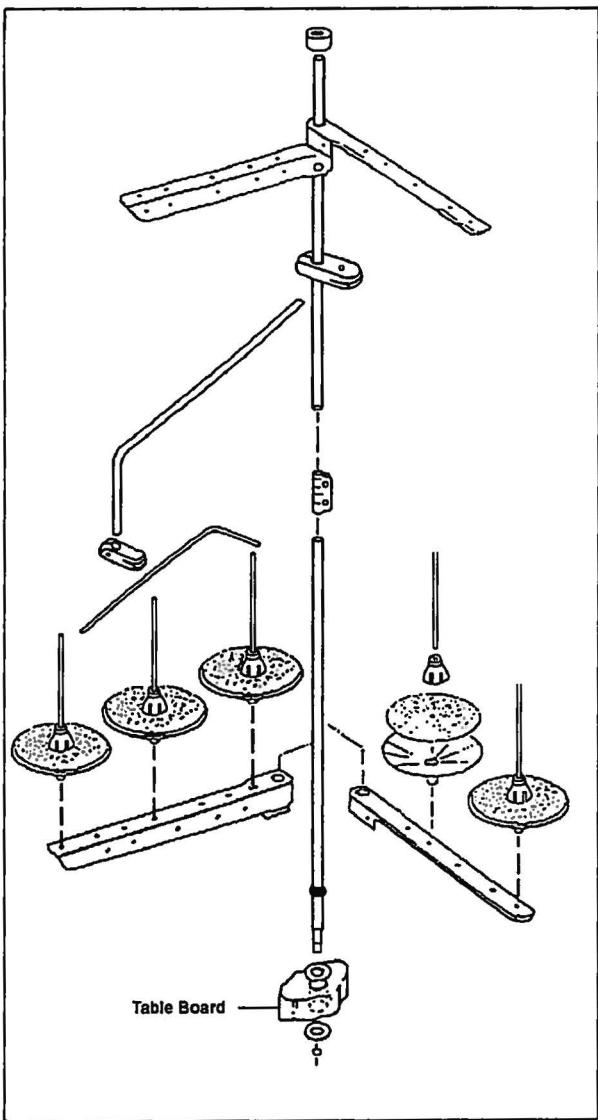




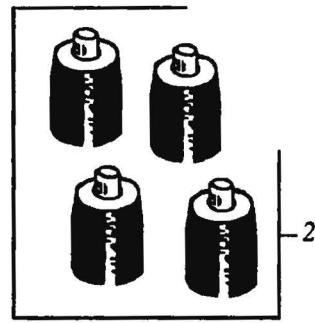
TABLING (EXTRA SEND CHARGE)

Ref. No.	Part No.	Description	Amt. Req.
1.	21371AAE48	Table Board	1
2.	---	Insert	1
3.	---	Nut	1
4.	---	Washer	1
5.	---	Plastic Tube	1
6.	---	Threaded Rod	1
7.	---	Insert	1
8.	---	Keeper Plate	1
9.	---	Latch	1
10.	---	Bolt	4
11.	---	Washer	5
12.	---	Screw	2
13.	---	Washer	11
14.	---	Hex Bolt	4
15.	---	Screw	4
16.	---	Stop	3
17.	---	Sems Nut	15
18.	---	Washer	8
19.	---	Plastic Bolt Cap	4
20.	---	Bolt	3

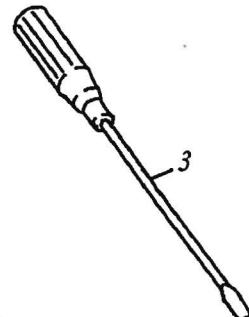




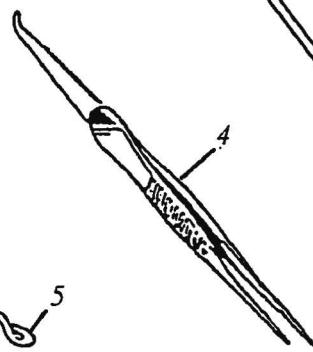
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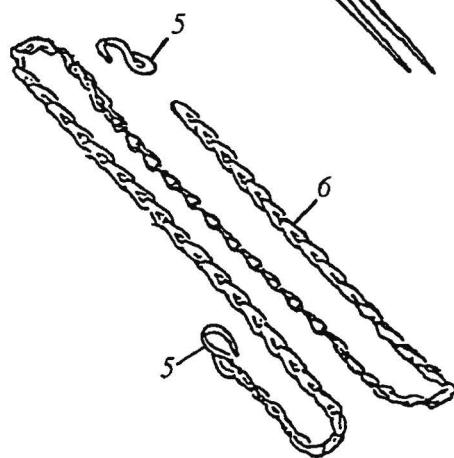
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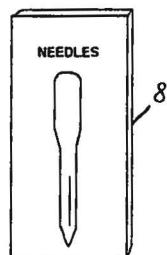


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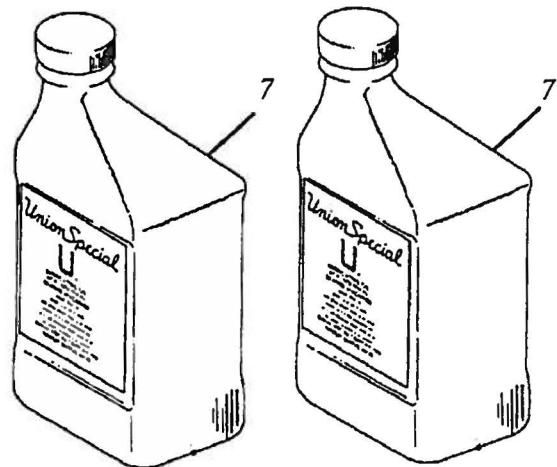


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P371-95



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ACCESSORIES

Ref. No.	Part No.	Description	Amt. Req.
1.	21101W5	Thread Stand	1
2.	35095B	Isolator	4
3.	G21201	Screw Driver, for needle head	1
4.	660-240	Thread Tweezer	1
5.	660-264	S-Hook	2
6.	421D34	Chain	1
7.	28604R	Oil, (1 pint)	2
8.	128GBS 075/029	Needles, (package of 10)	1



NOTES



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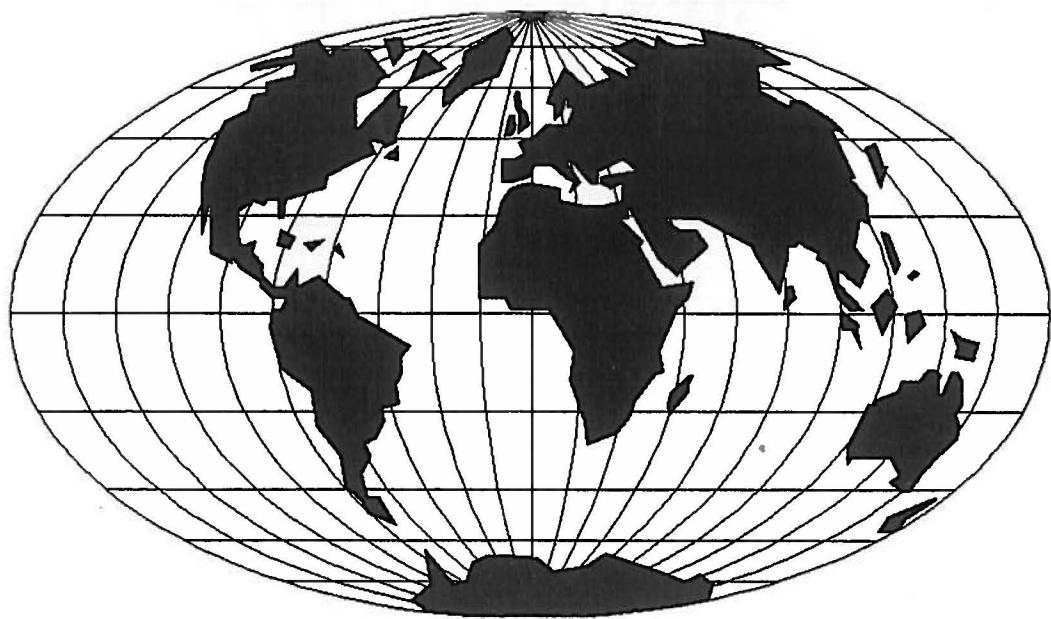


NOTES



NOTES





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