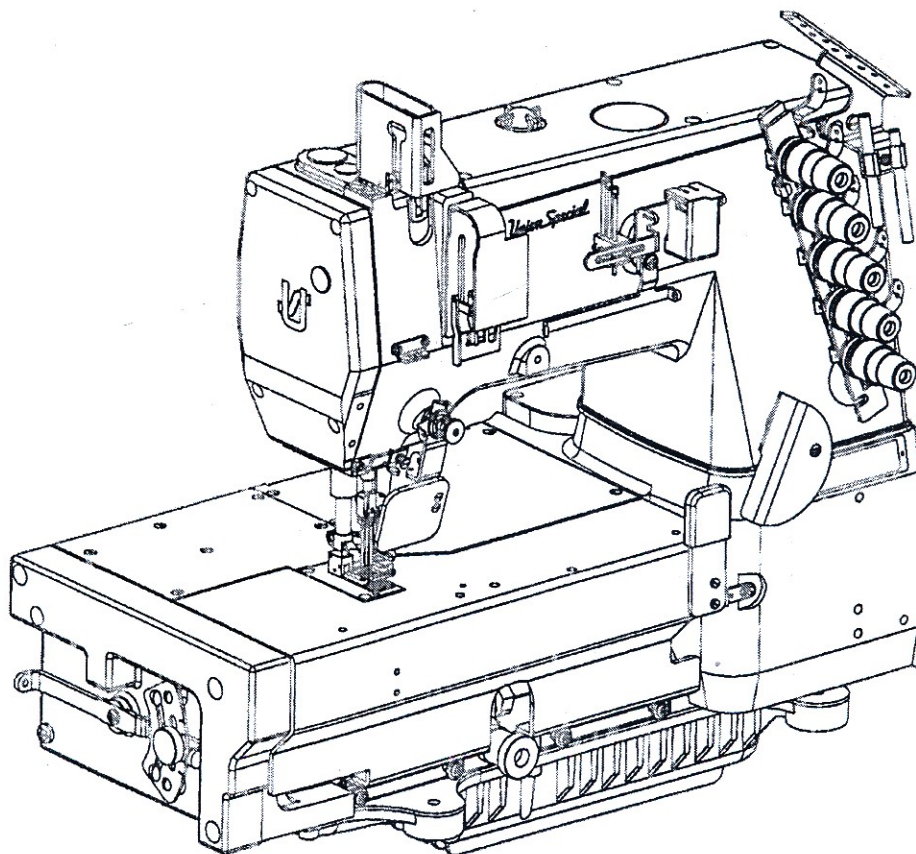




Union Special

INDUSTRIAL SEWING EQUIPMENT

ILLUSTRATED PARTS LIST



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

MANUAL NO. PT9501

STYLES

FS332L01-2C

FS332L01-3B

CORRECTION

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

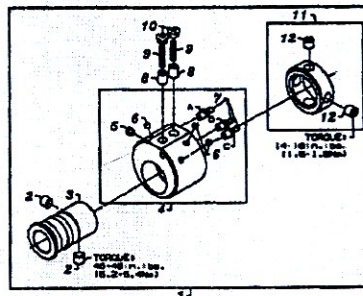
There is a correction on page 11.

- 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...



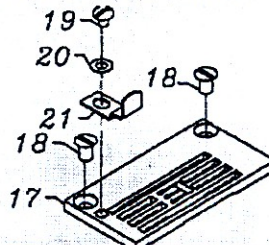
There is a correction on page 35.

- 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.

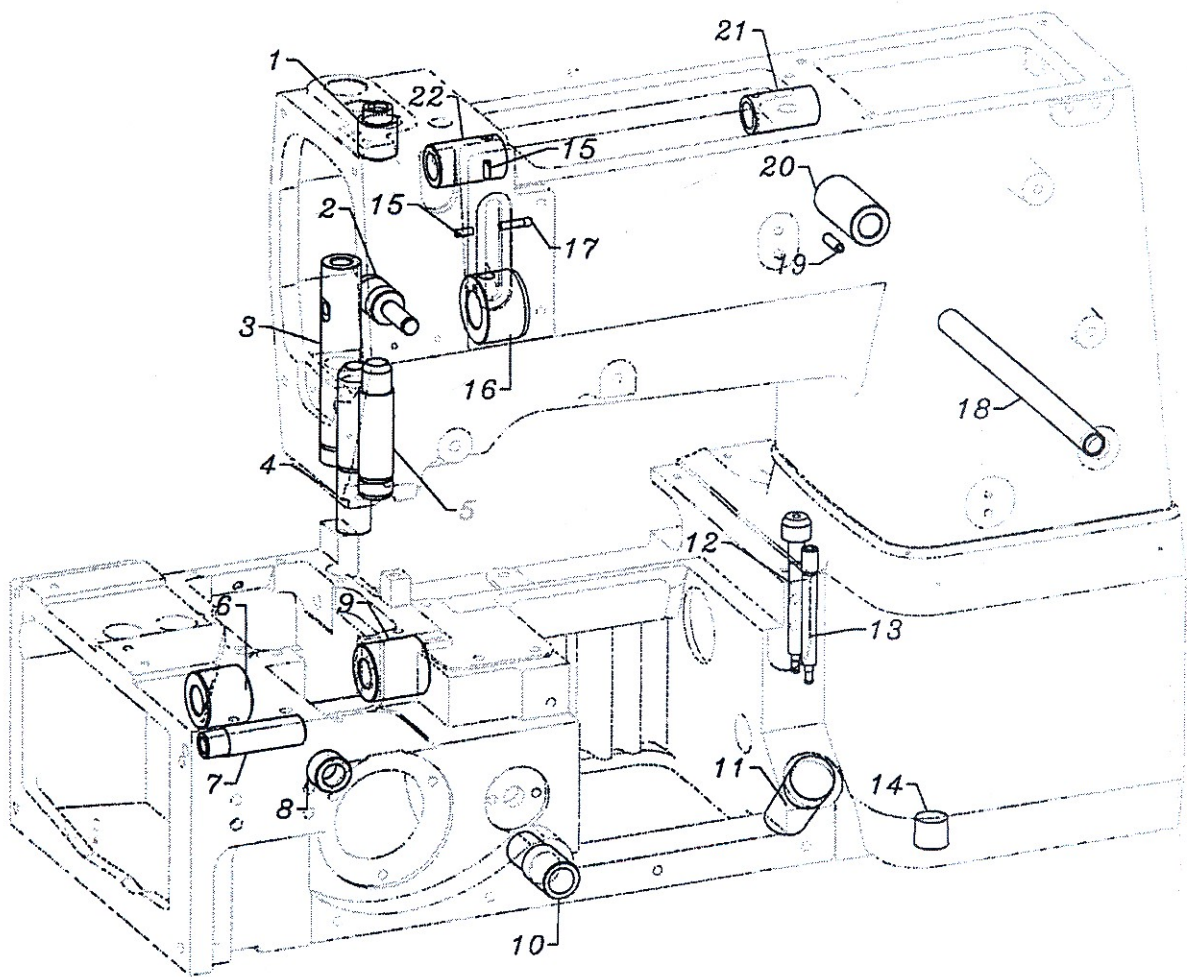
- Reference Numbers 2 thru 7 are not subassemblies of Thread Stand, 21101W5
- The text should be as follows...

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

CONTENTS

•PREFACE	2
•SAFETY RULES	4
•IDENTIFICATION OF MACHINES	5
•CLASS DESCRIPTION	5
•STYLE OF MACHINES	5
•ILLUSTRATIONS	5
•IDENTIFYING PARTS	6
•NEEDLES	6
•BUSHINGS	9
•NEEDLE BAR	11
•UPPER MAIN SHAFT	13
•SPREADER	15
•THREAD GUIDE	17
•TENSION RELEASE & THREAD TENSION	19
•PRESSER FOOT LIFT	21
•COVERS, UPPER ARM	23
•LOWER MAIN SHAFT	25
•LUBRICATION	27
•LOOPER DRIVE	29
•NEEDLE GUARD	31
•LOOPER THREAD TAKE-UP	33
•FEED DRIVE MECHANISM	35
•FEED DRIVE MECHANISM	37
•COVERS, LOWER BED	39
•COVERS, LOWER BED	41
•SEWING PARTS	43
•NEEDLE DIPPER (EXTRA SEND CHARGE)	45
•TABLING (EXTRA SEND CHARGE)	47
•ACCESSORIES	49
•NUMERICAL INDEX OF PARTS	50
•NUMERICAL INDEX OF PARTS	51
•NOTES	52
•NOTES	53
•NOTES	54
•NOTES	55

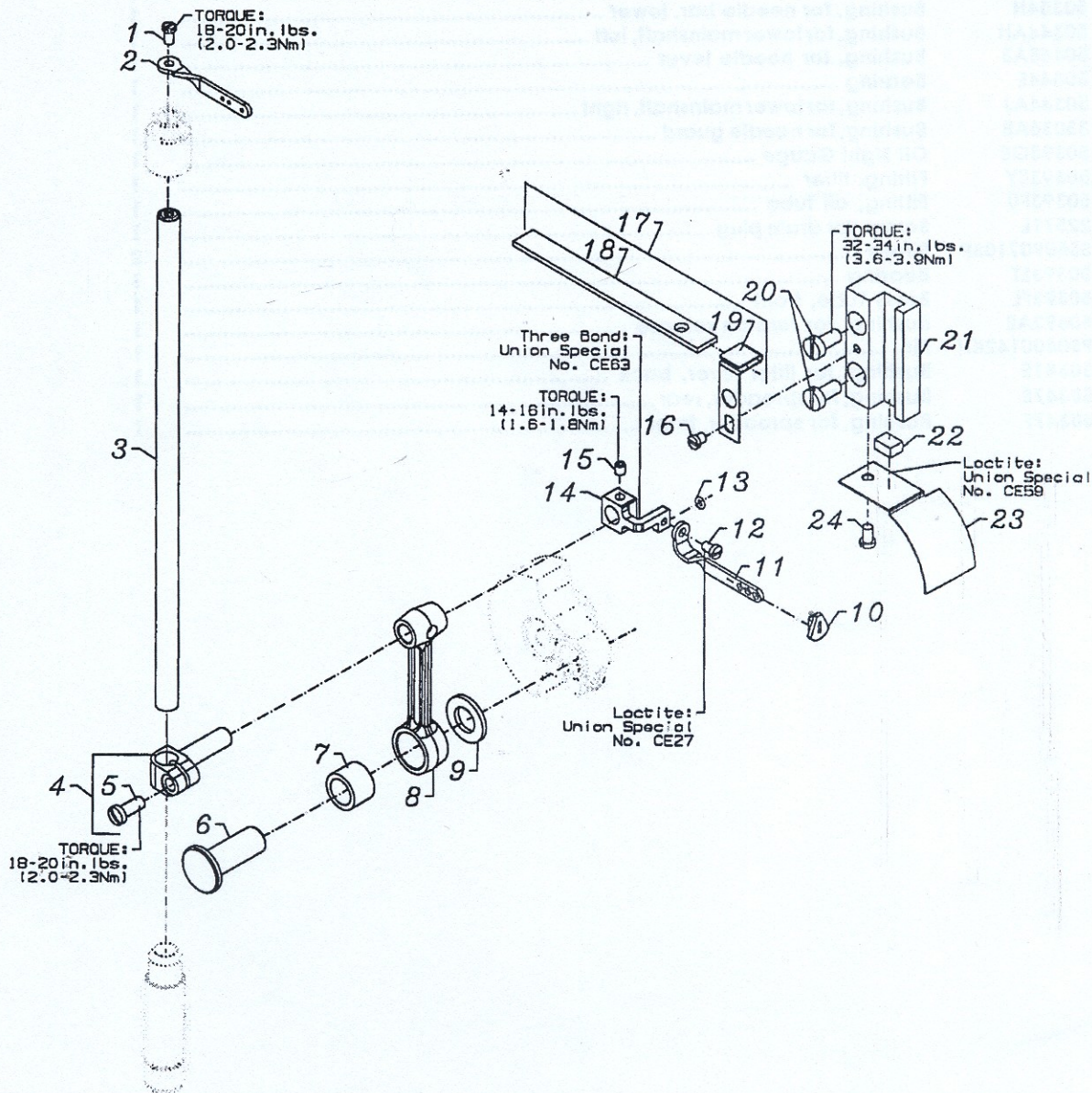




BUSHINGS

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

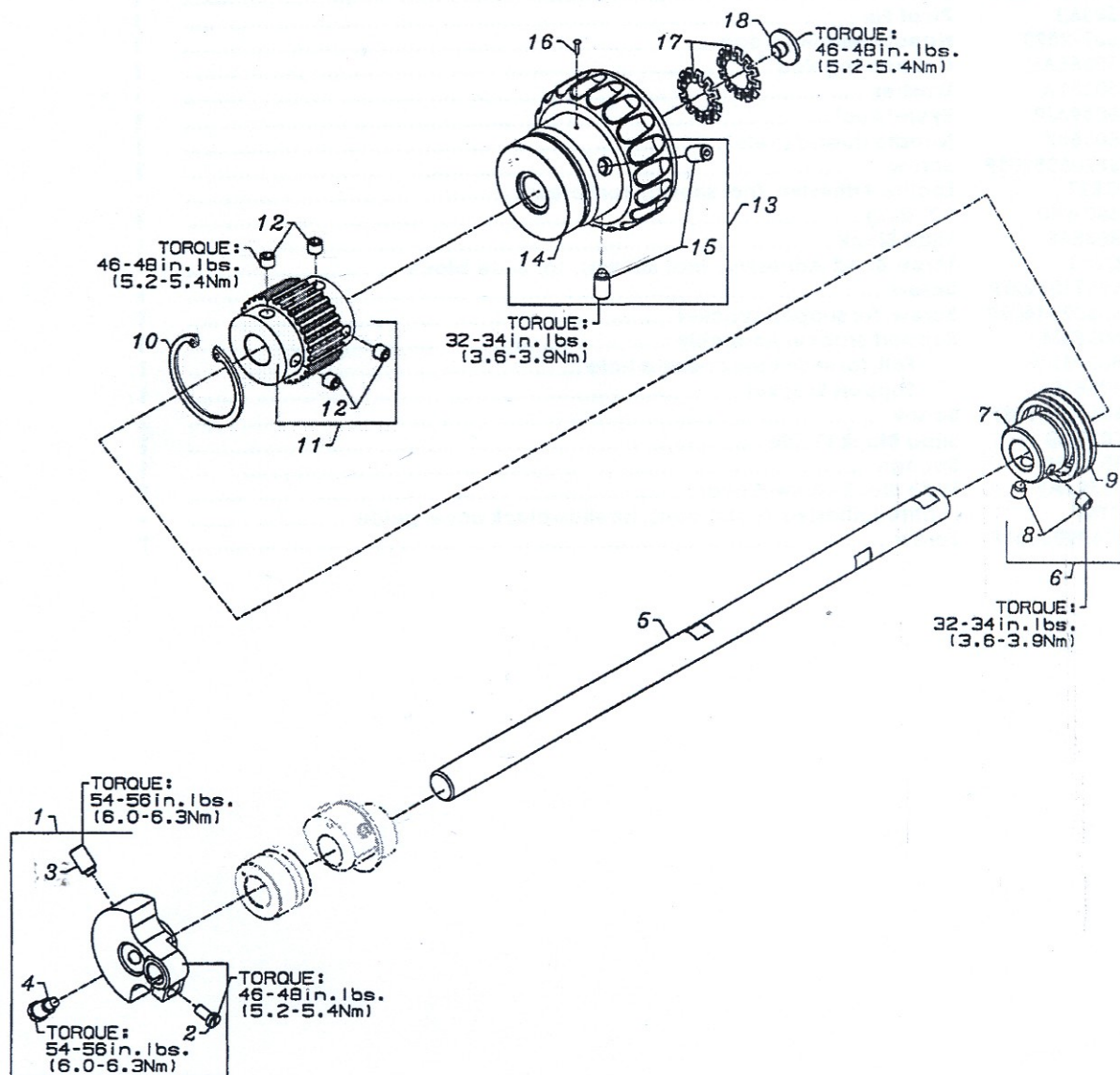




NEEDLE BAR

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



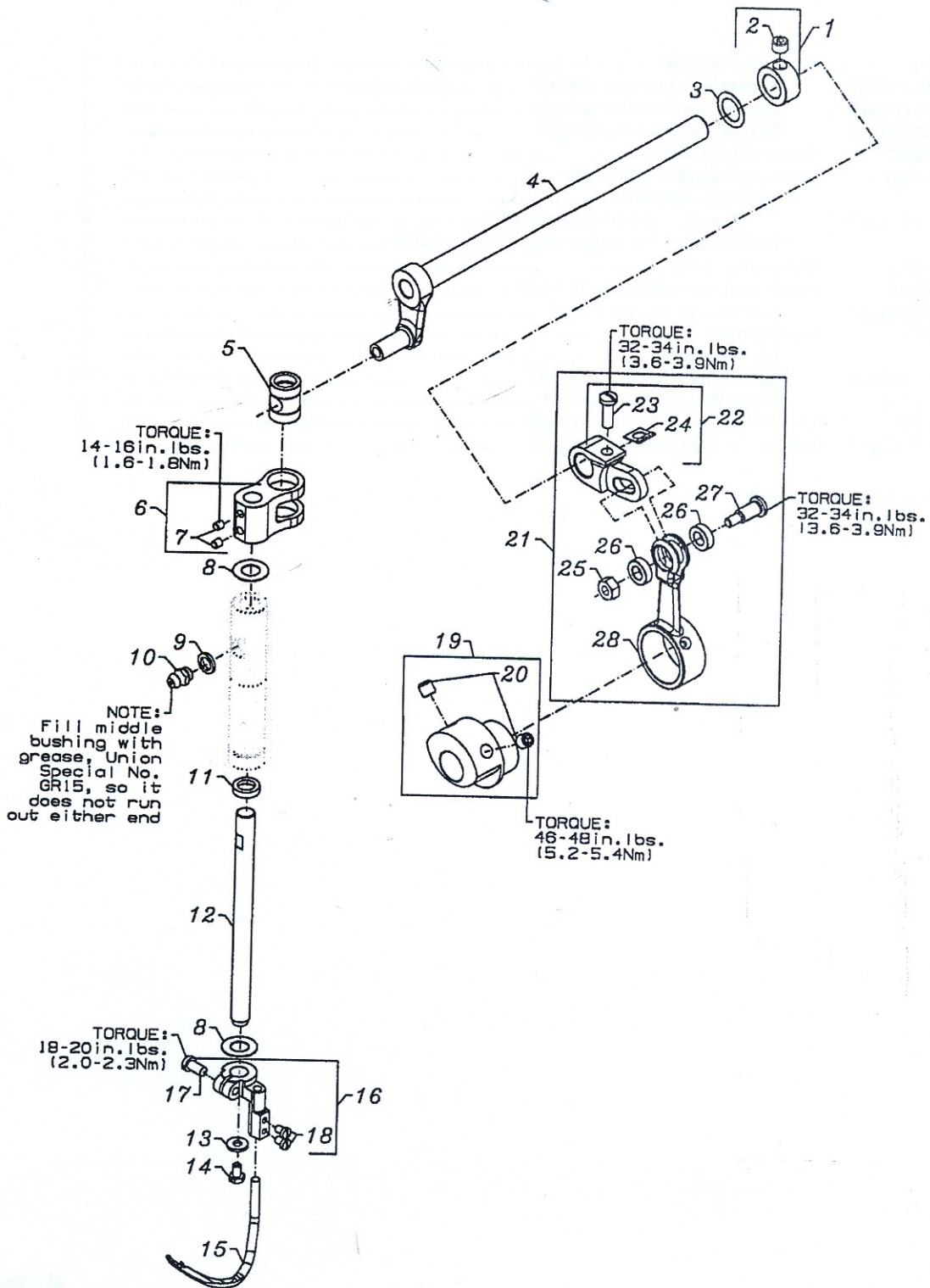


UPPER MAIN SHAFT

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.

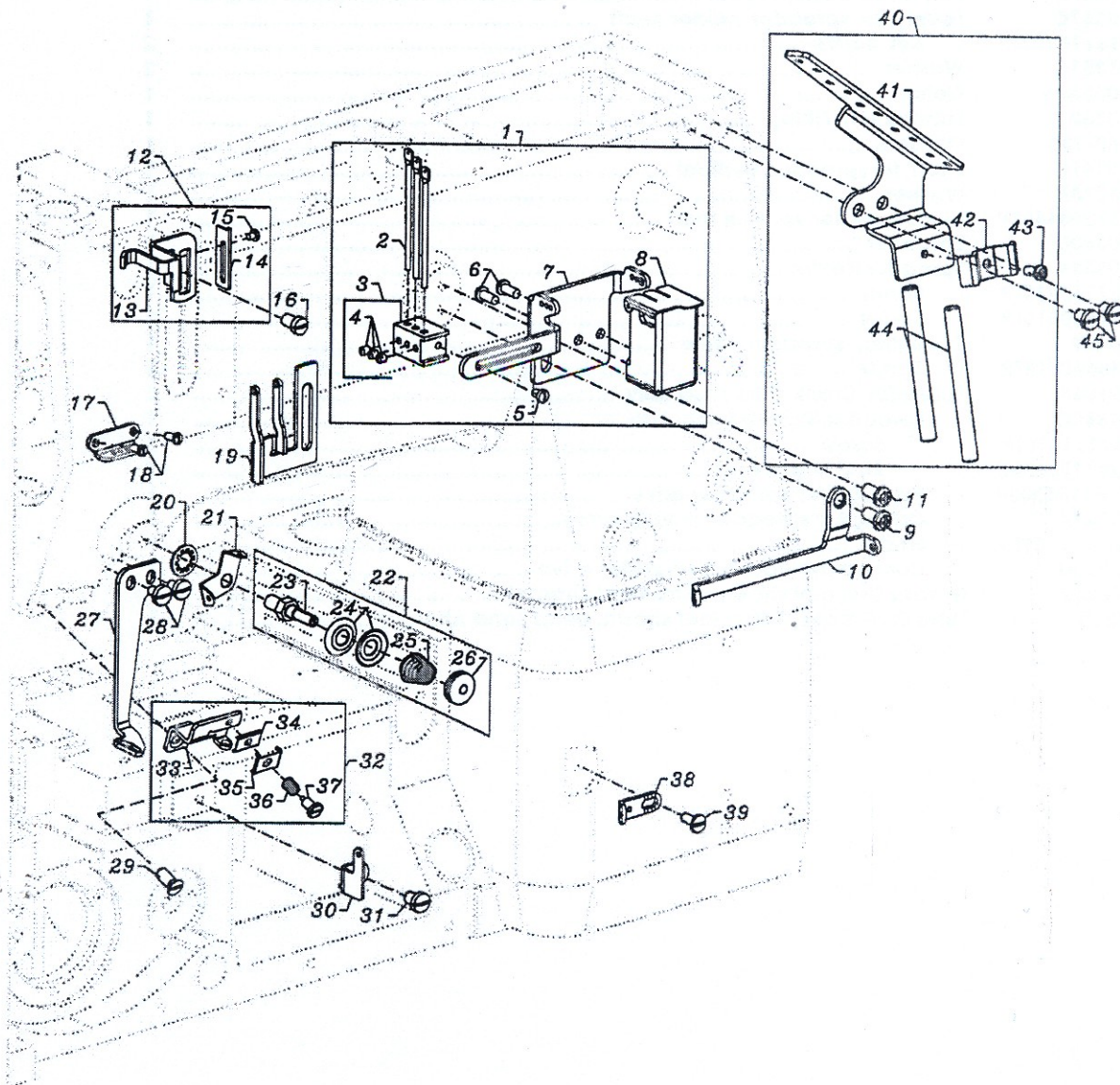




SPREADER

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

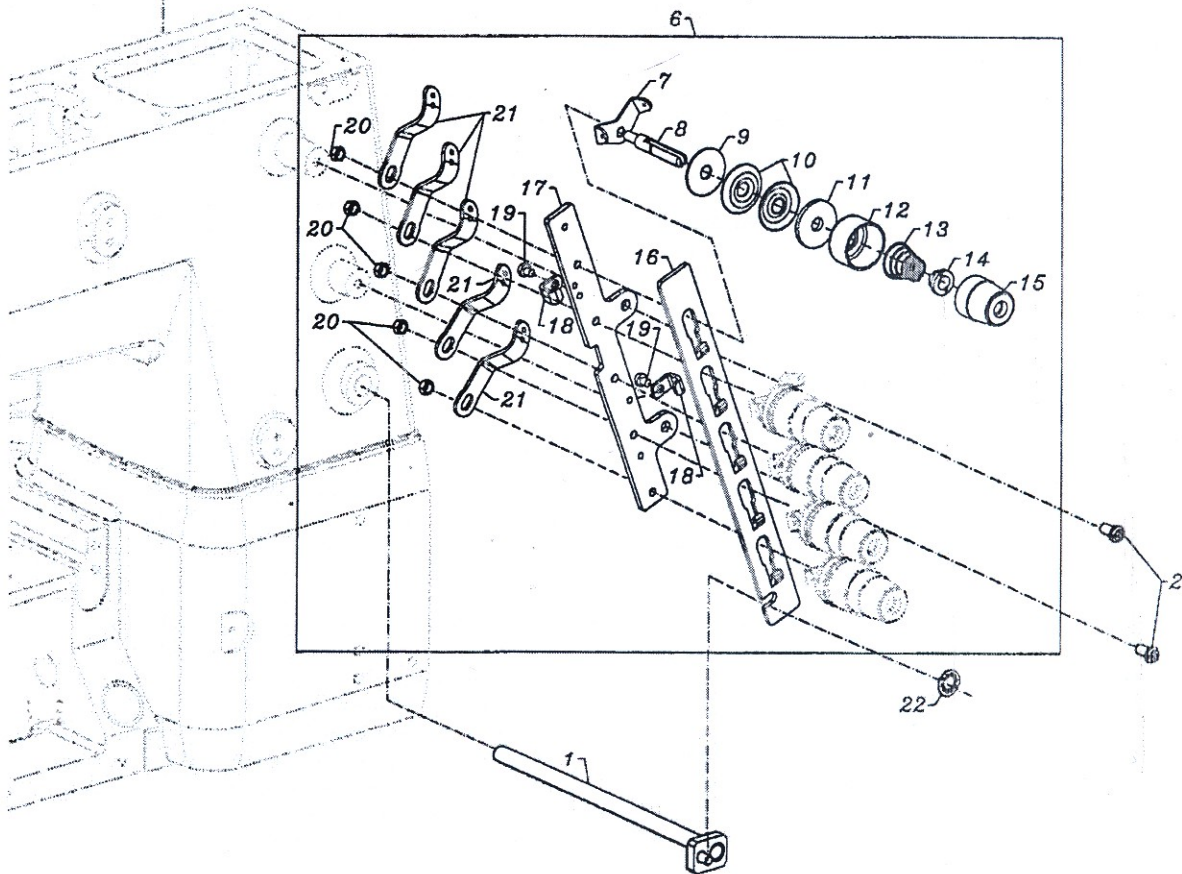
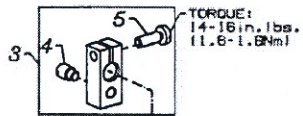




THREAD GUIDE

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	2
18.	605A	Screw, for needle thread guide	1
19.	50392T	Eyelet	1
20.	652C16	Star Washer	1
21.	57844	Eyelet	1
22.	29475CG	Spreader Thread Tension Assembly	1
23.	50392AW	Tension Post	2
24.	50392AX	Tension Disc	1
25.	50392AY	Tension Spring	1
26.	50392AZ	Tension Nut	1
27.	50346	Thread Guide Spreader	2
28.	SS7090610SP	Screw, for spreader thread guide	1
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	2
44.	50366	Thread Eyelet Tube	2
45.	SS7120640SP	Screw, for lead-in eyelet	

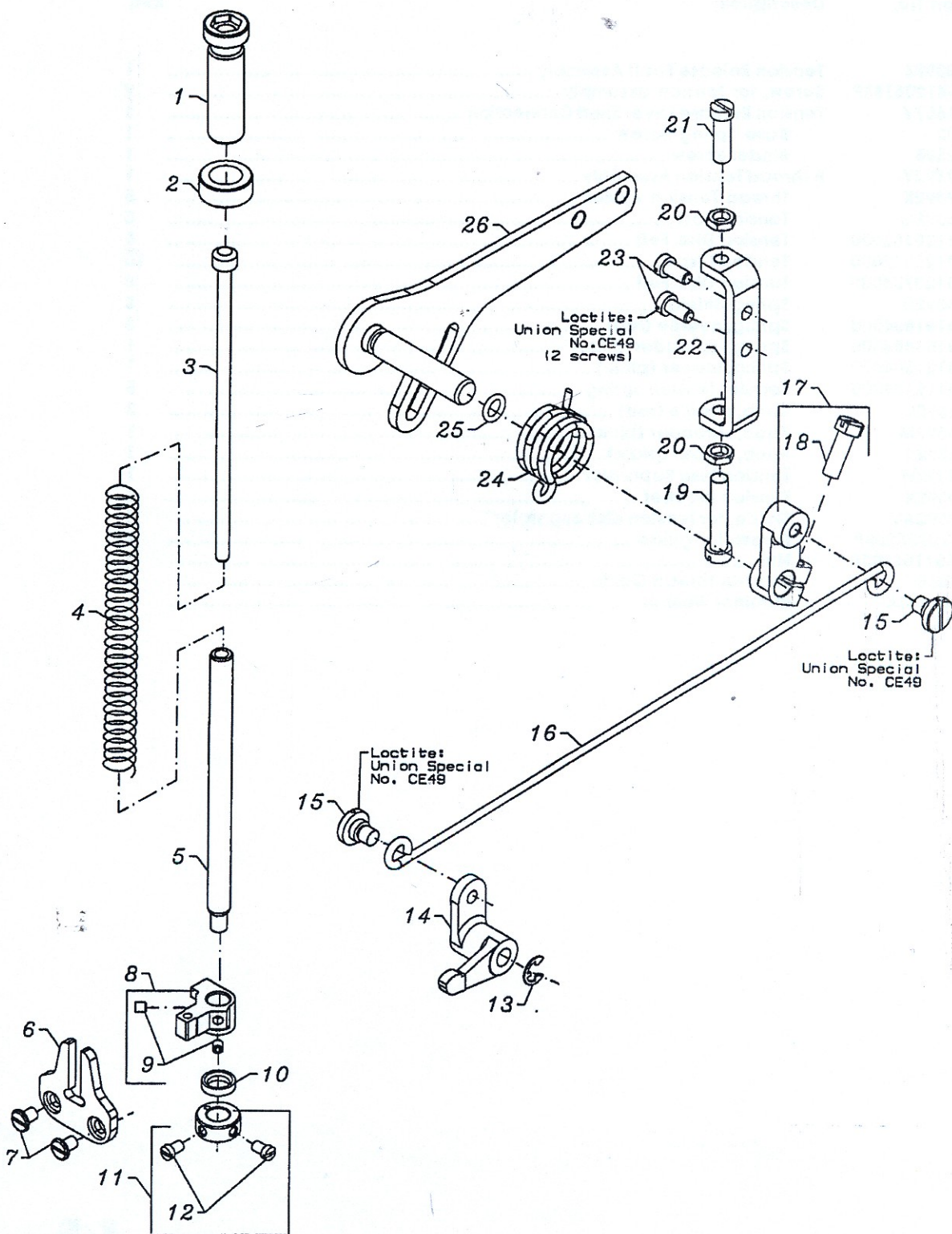




TENSION RELEASE & THREAD TENSION

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

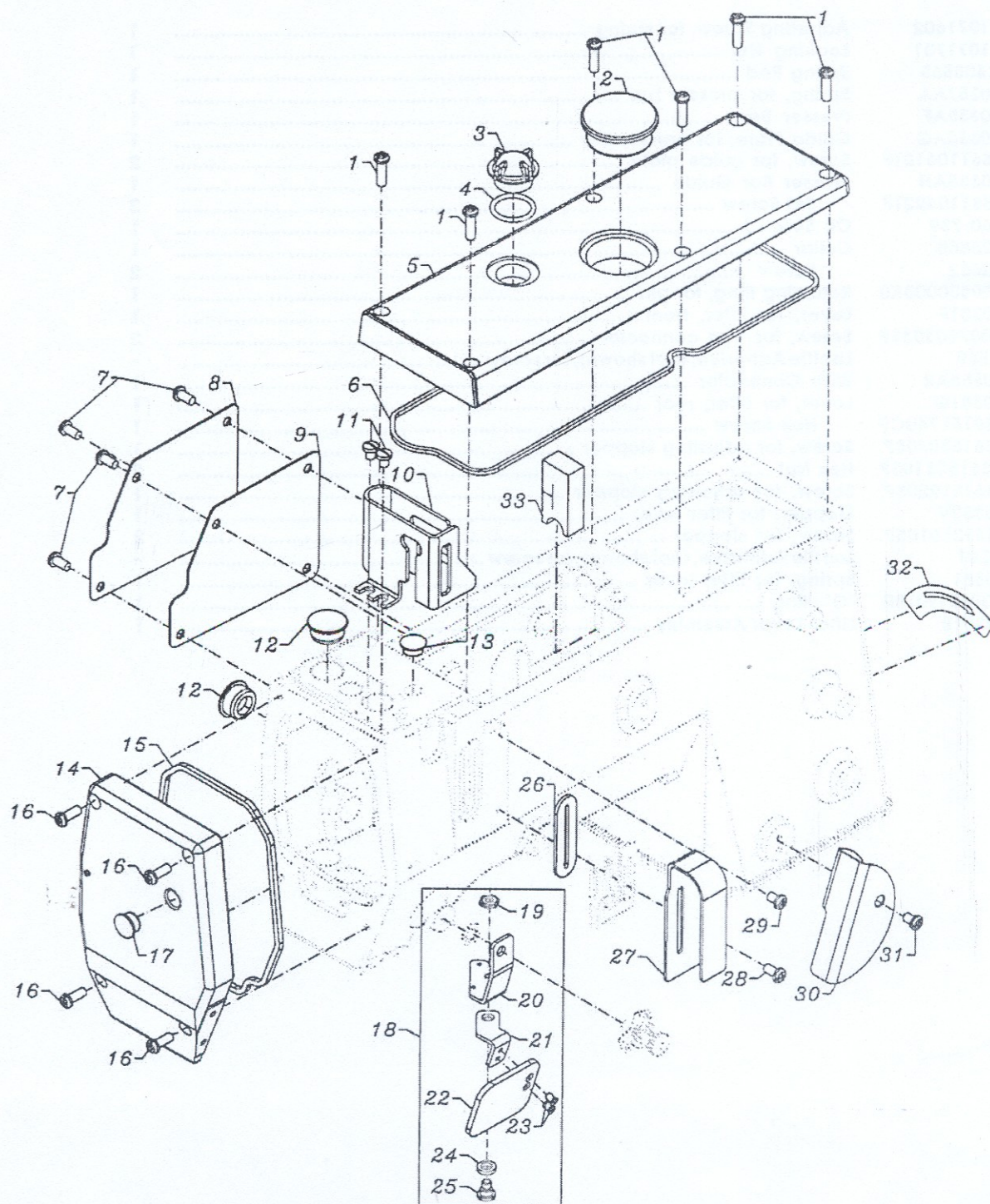




PRESSER FOOT LIFT

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

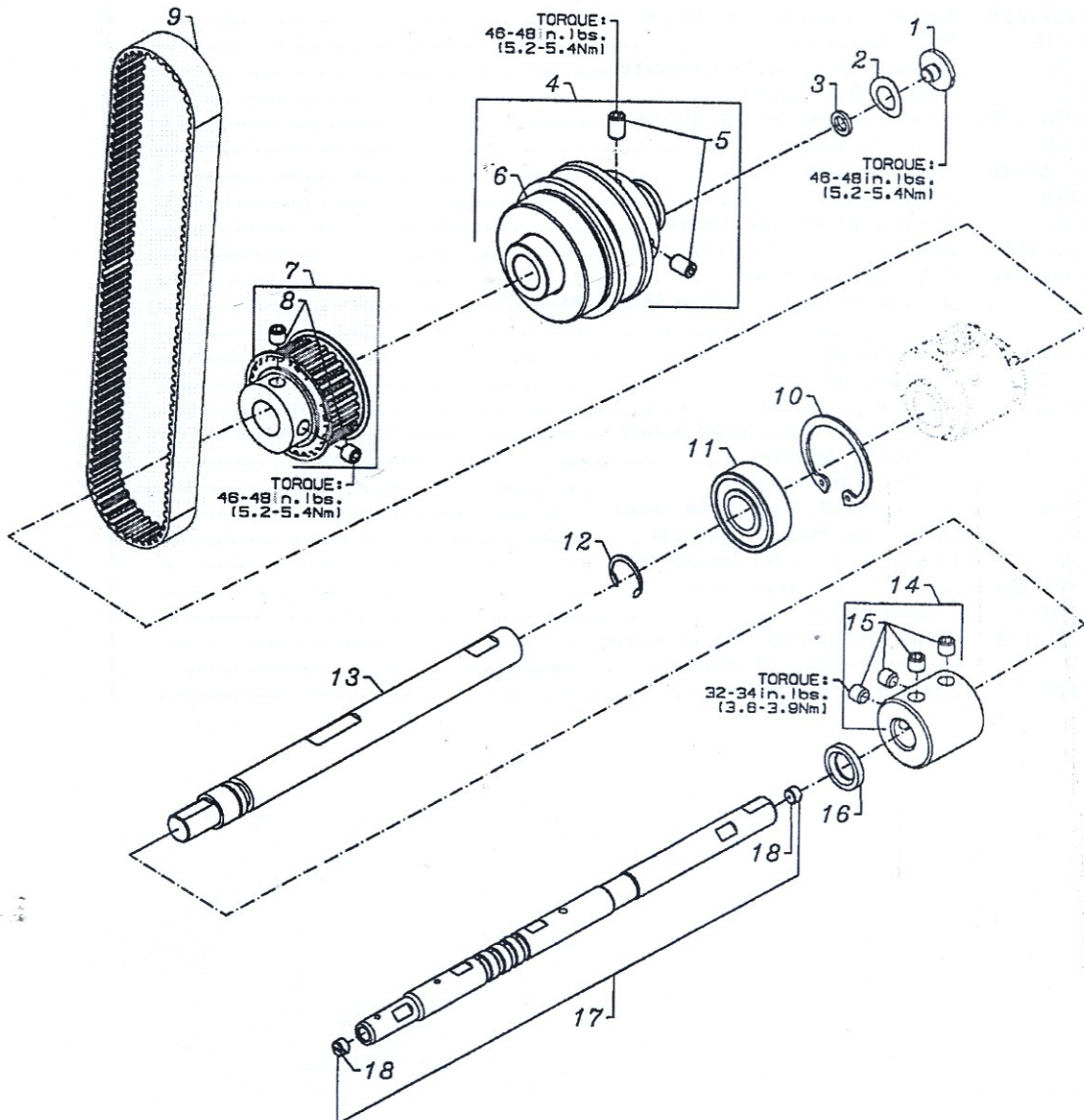




COVERS, UPPER ARM

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



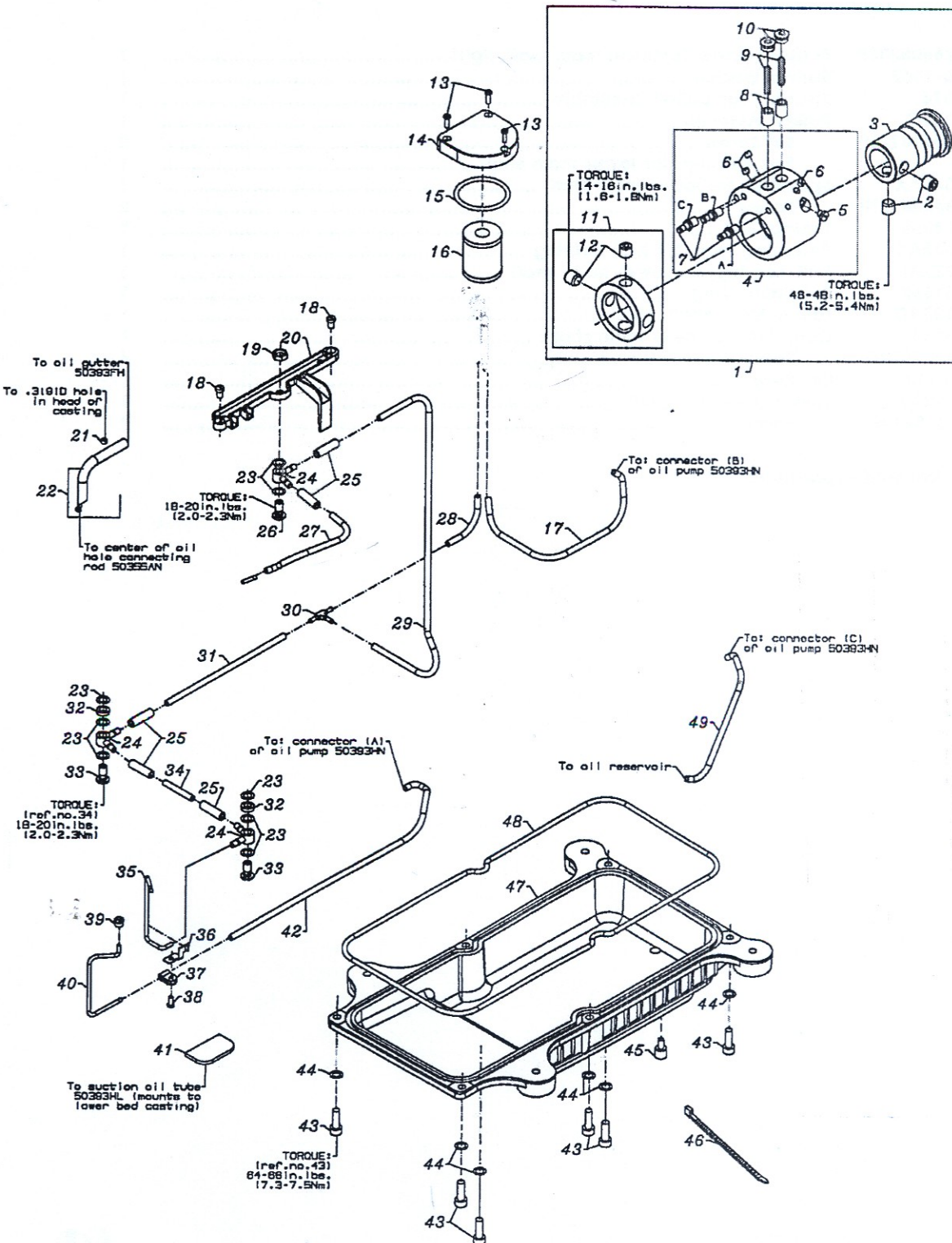


LOWER MAIN SHAFT

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.



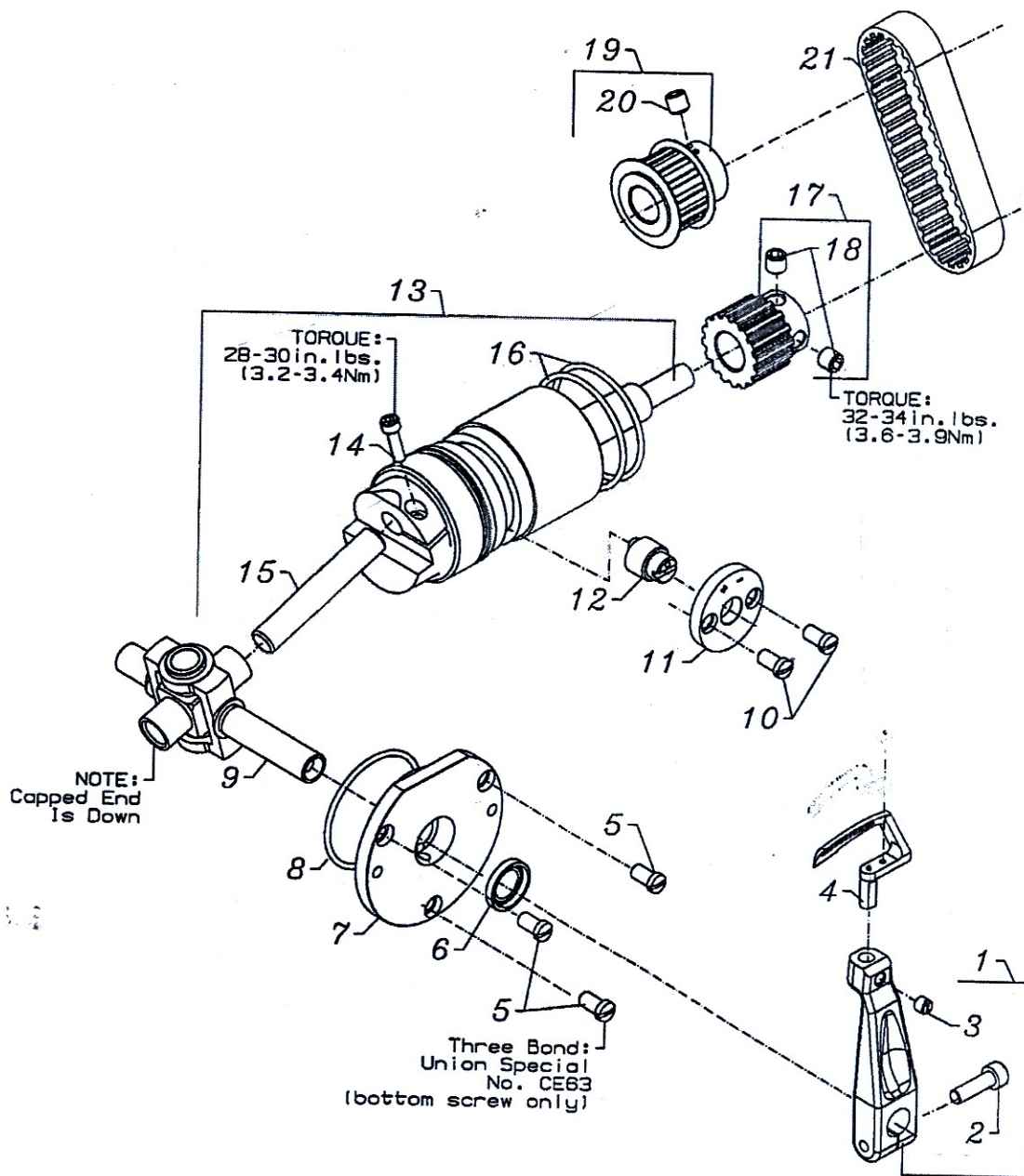


LUBRICATION

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.

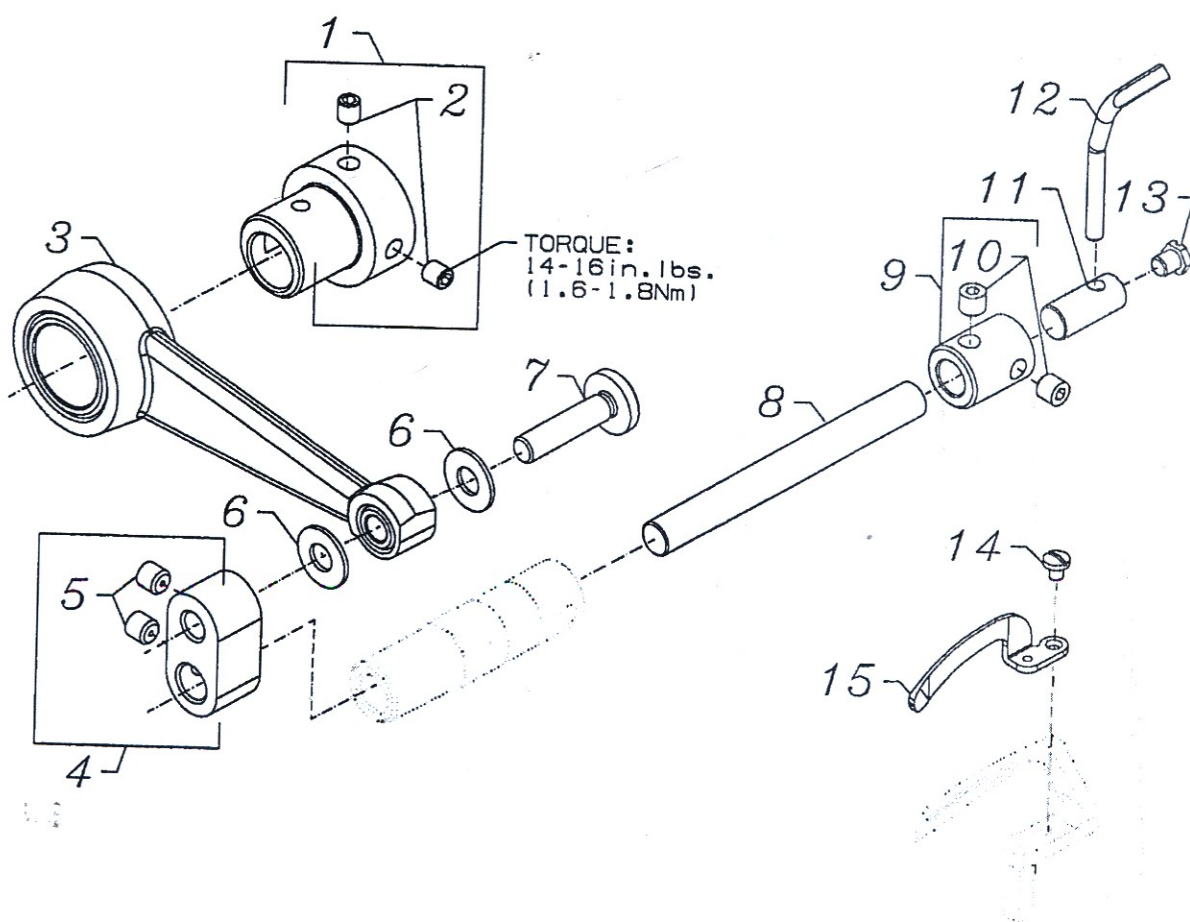




LOOPER DRIVE

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

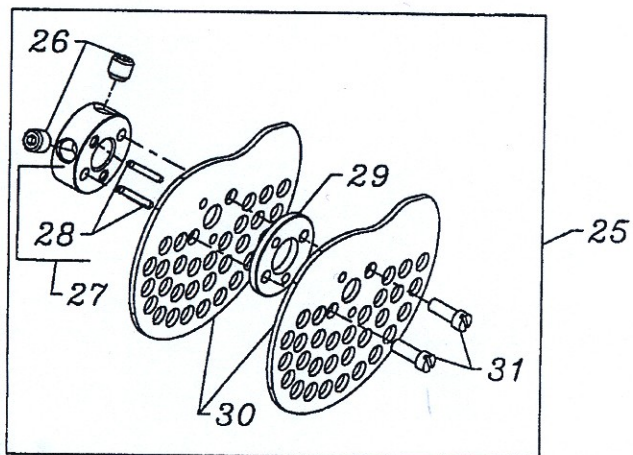
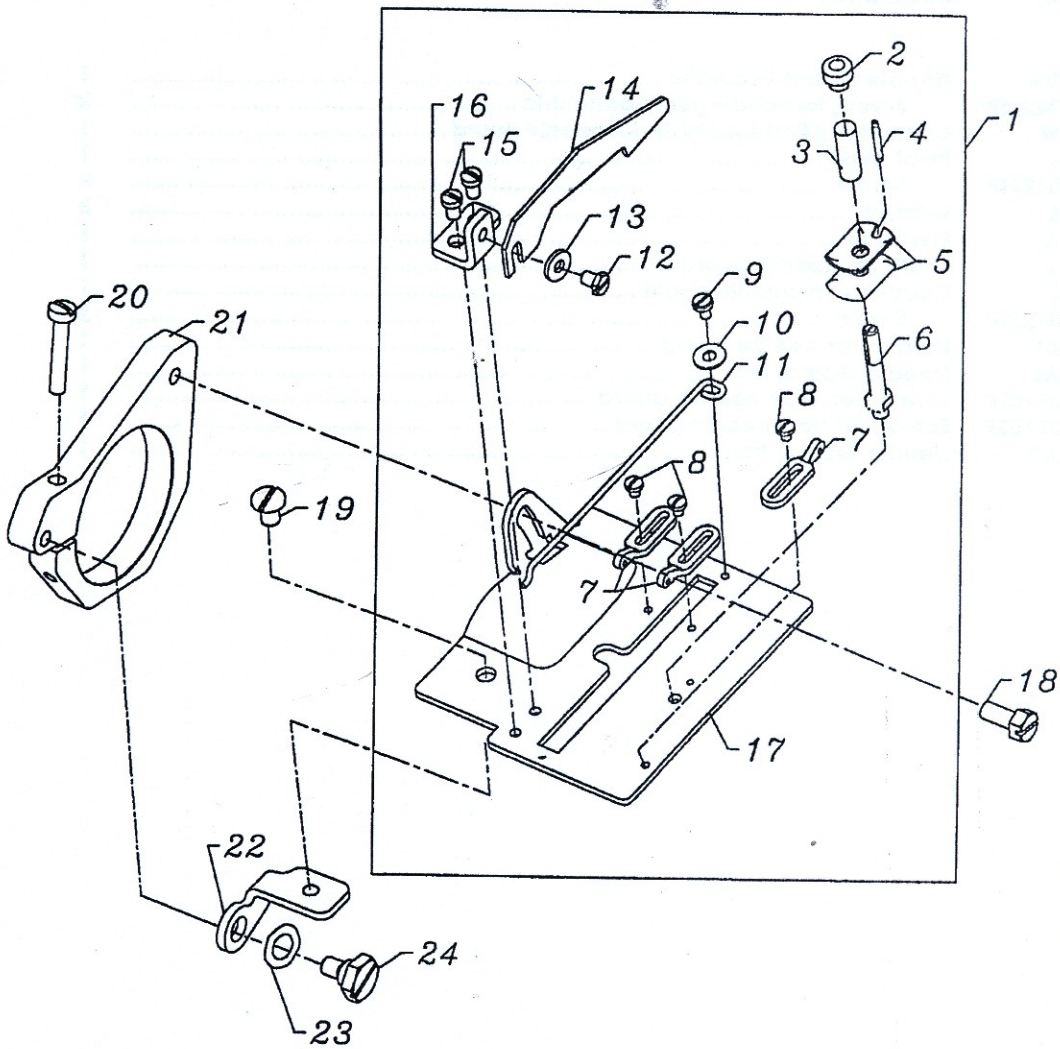




NEEDLE GUARD

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

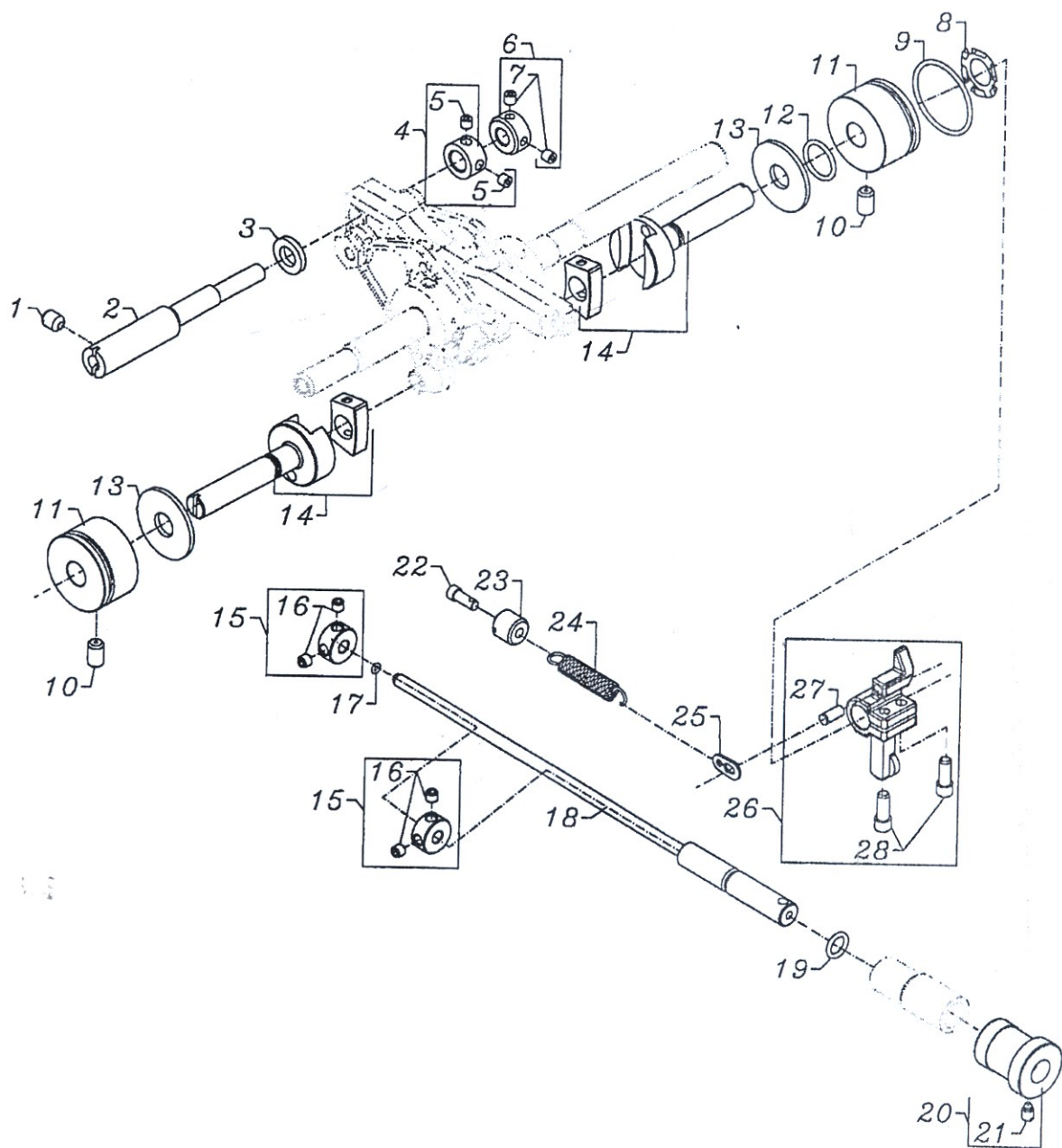


FEED DRIVE MECHANISM

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.

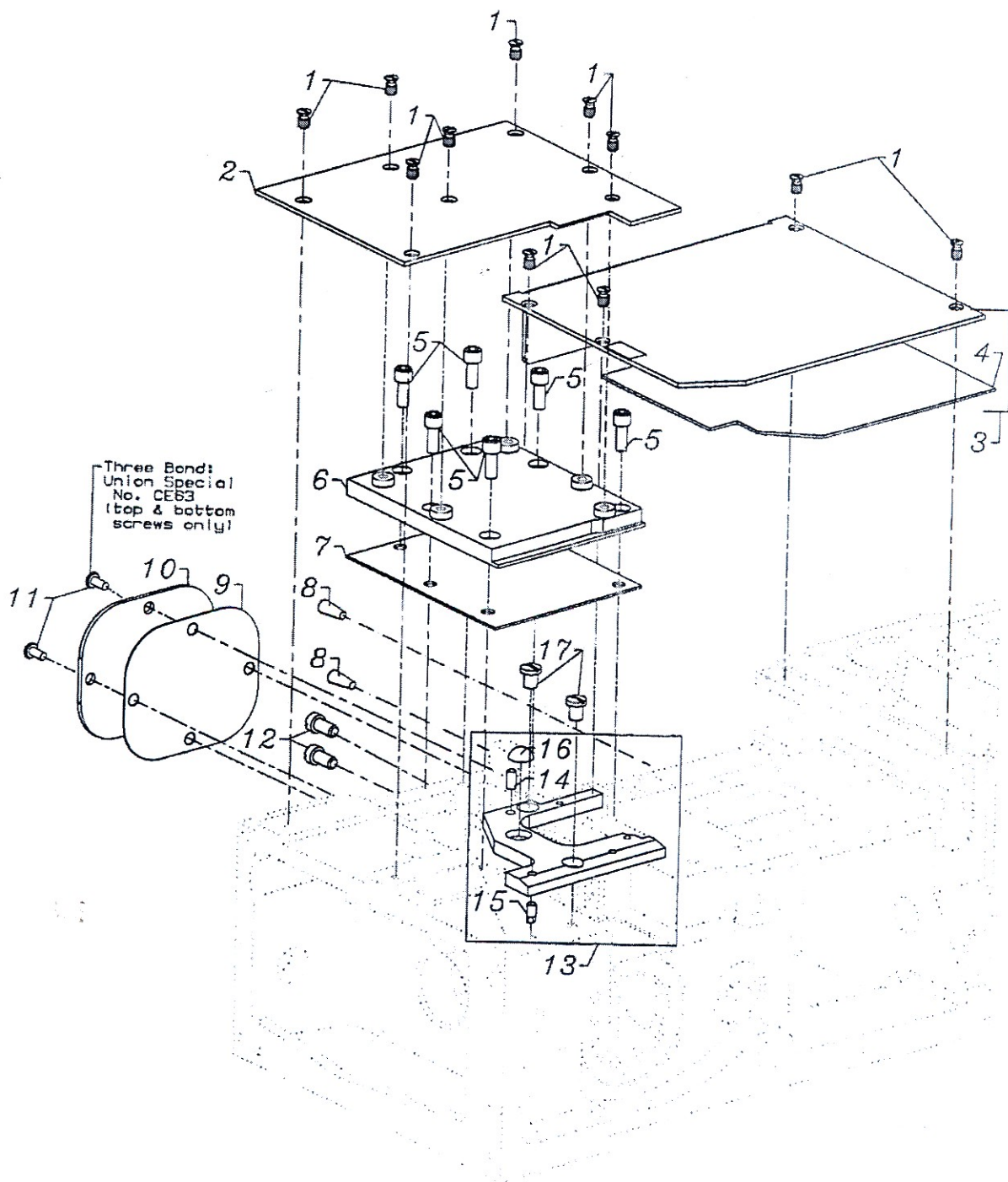




FEED DRIVE MECHANISM

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

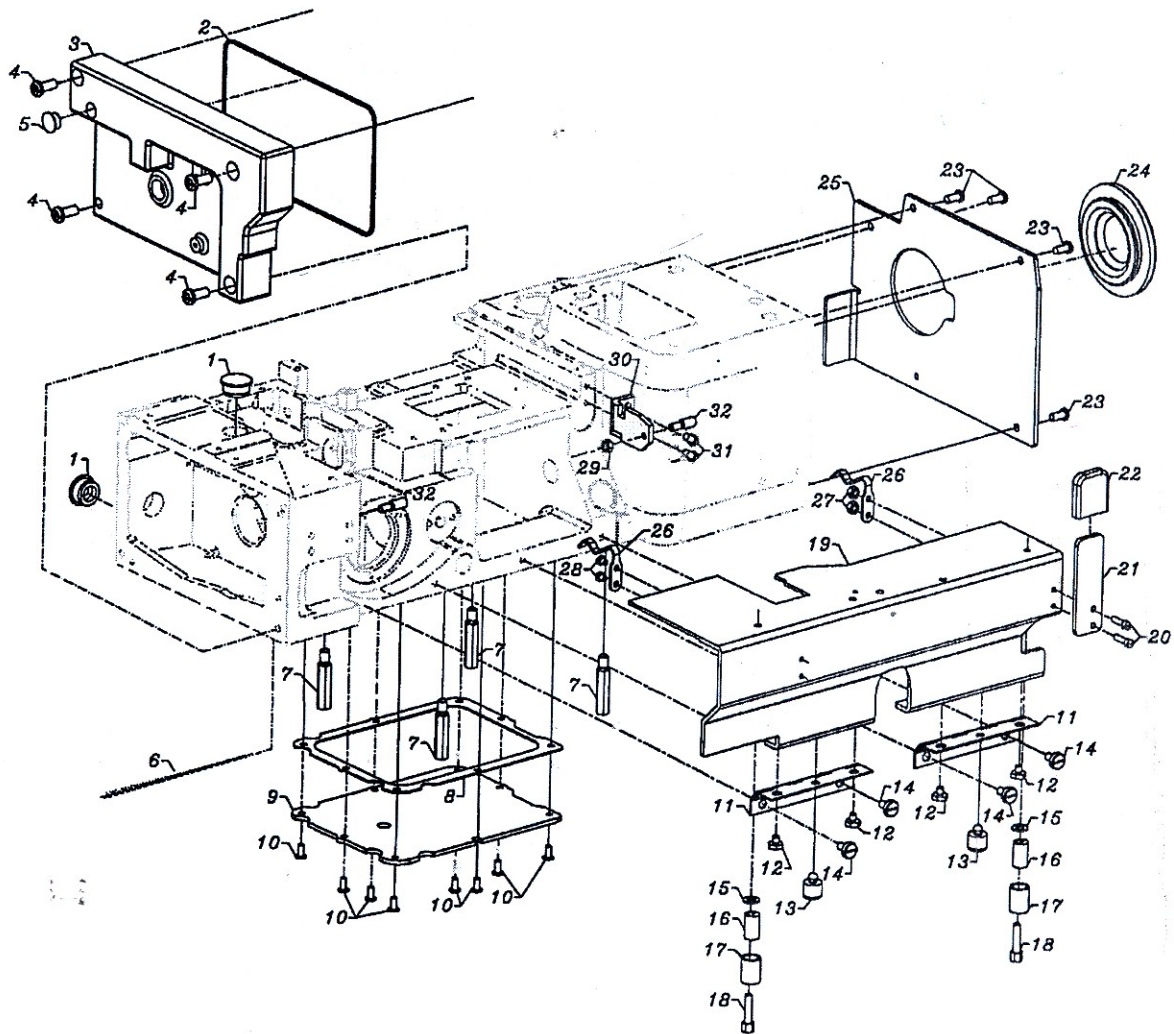




COVERS, LOWER BED

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



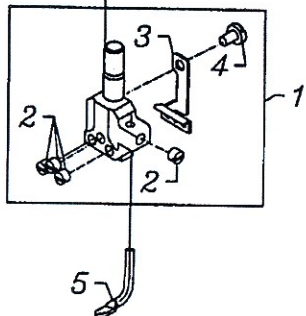


COVERS, LOWER BED

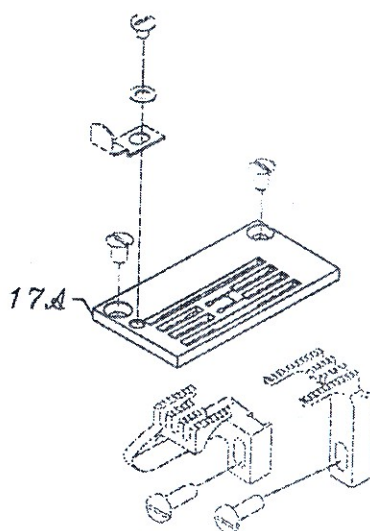
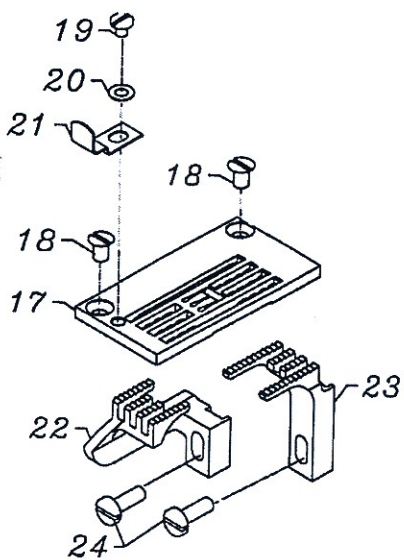
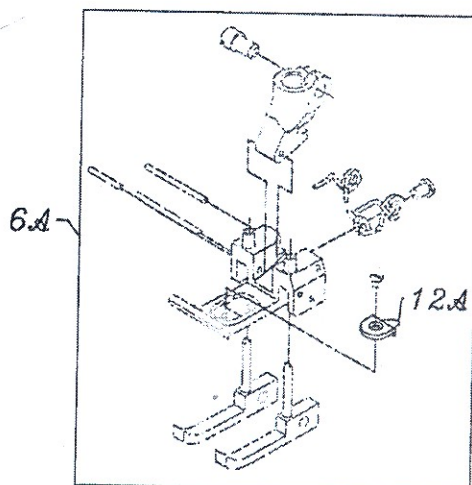
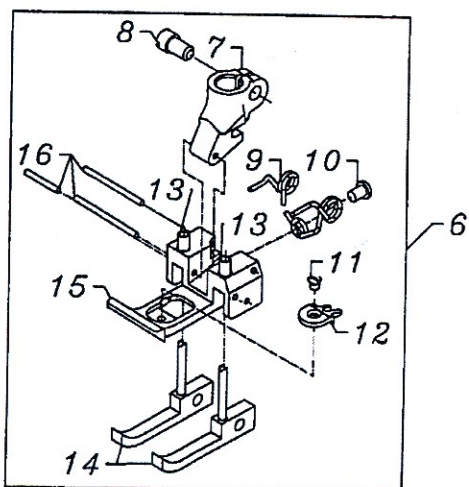
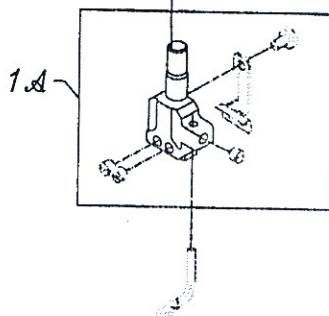
Ref. No.	Part No.	Description	Amt. Req.
1.	50393HB	Plug	2
2.	50382CM	Quad Ring	1
3.	50382CH	Left End Cover	1
4.	SS4151415SP	Screw	4
5.	50393HA	Plug	1
6.	WO3	Oil Wick	1
7.	22841U	Machine Support Stud	4
8.	50383G	Gasket	1
9.	50382CG	Dry Chamber Cover	1
10.	SS7090850SP	Screw	8
11.	50378S	Hinge	2
12.	SS9110543CP	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



TORQUE:
14-16 in. lbs.
(1.6-1.8 Nm)



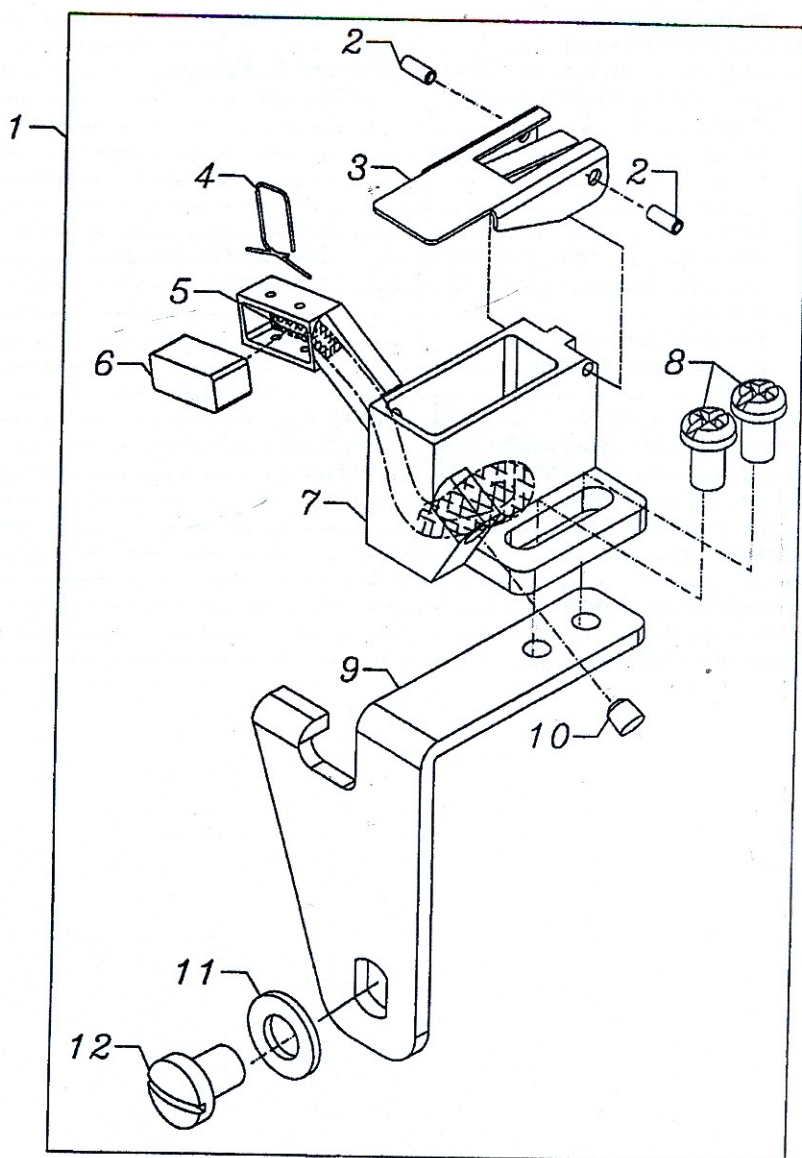
TORQUE:
14-16 in. lbs.
(1.6-1.8 Nm)



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

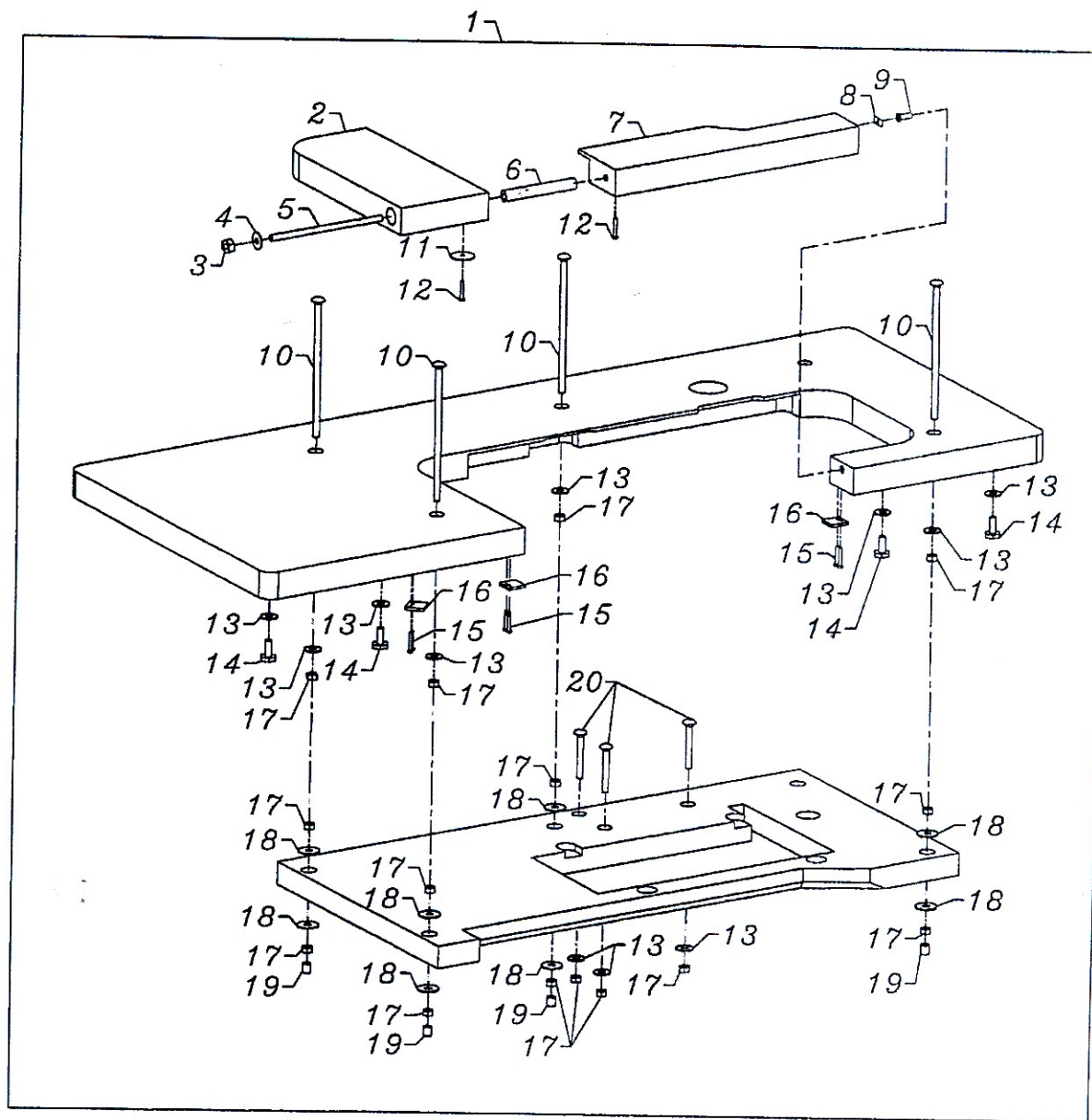




NEEDLE DIPPER (EXTRA SEND CHARGE)

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

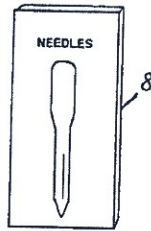
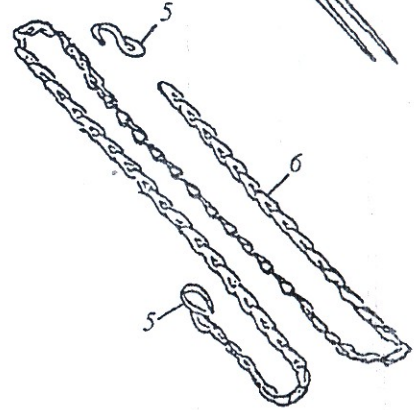
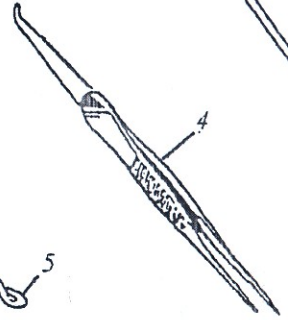
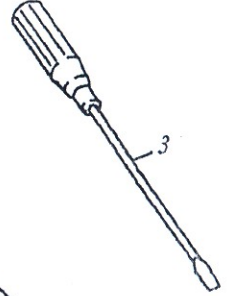
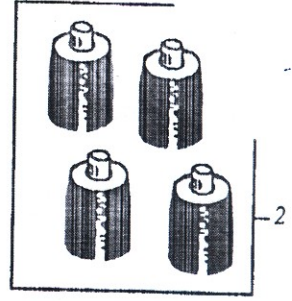
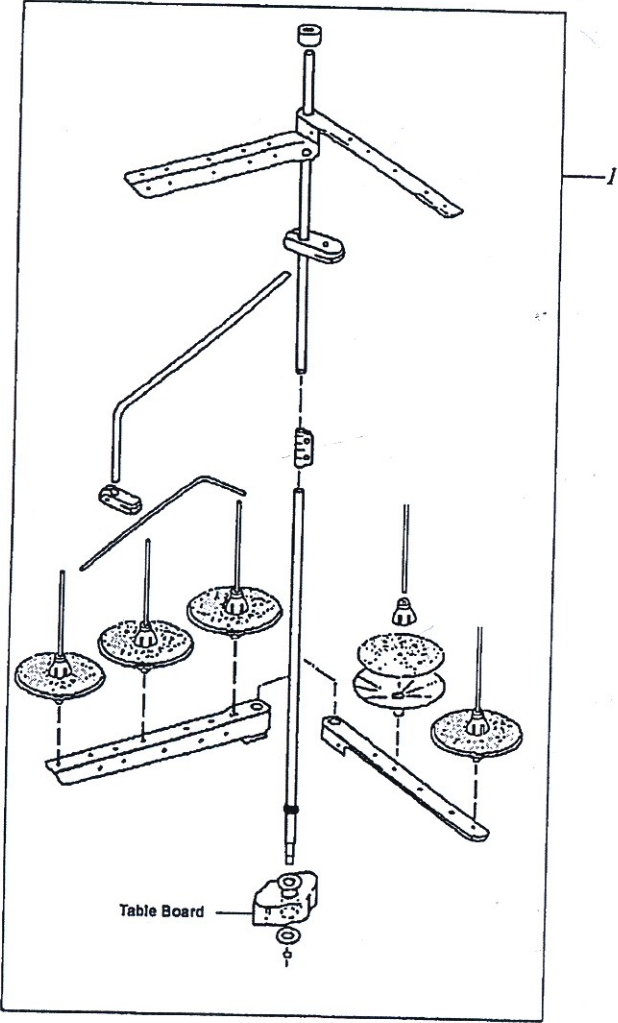




TABLING (EXTRA SEND CHARGE)

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





P371-95



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



NUMERICAL INDEX OF PARTS

Part No.	Page No.	Part No.	Page No.	Part No.	Page No.	Part No.	Page No.	Part No.	Page No.
1107160221		50303B39		50335AN35		50358W17		50392AV19	
1107170121		50304H33		50335AV15		50358X11		50392AW17	
1184320827		50304K33		50335AW15		5036015		50392AX17	
1212420217		50304L33		50335BA35		50360B15		50392AY17	
128GBS075/029 .49		50305AN43		50335BB25		50360C15		50392AZ17	
1407723		50309K29		50335BD13		50360D15		50392BA17	
18-143235		50313J29		50335D37		50360E15		50392G43	
18-144839		50313M29		50335E37		5036215		50392S17	
18-147027		50313P29		50336S37		50363CH41		50392T17	
2041		50314E29		50336U35		50363CJ17		50392V17	
21101W549		50314F29		50336W39		5036617		50392W19	
21371AAE48 .47		50317B11		50337H35		50366A17		50392X19	
21657Y19		50317C23		50337J35		50366B17		50392Y19	
22-34833		50318AA56 .43		50337K35		50368A31		50392Z19	
22513D41		50318AE56 .43		50337L35		50368AB9		50393EB27	
2251739		50318Z40 .43		50337M35		50368AD37		50393ET9	
22519J41		50320AT43		50337N35		50368E31		50393EU23	
2256143		50320T60 .43		50337P35		50368T31		50393EW23	
2256221		503218Y60 .43		50337R35		50368V31		50393EY9	
2256529		50321F13		50337S35		50368W31		50393FH27	
22571E27		50321G25		50337T37		50370F17		50393FK27	
22571L9		50322AF13		50337U35		50373DA31		50393FL9	
22591A37		50322AG25		50340D35		5037425		50393FR27	
2259619		50322AJ25		50340E35		50377R33		50393FS27	
22596H37		50322AL25		50342AX25		50378S41		50393FT27	
22652B1029		50323B33		50342BE13		50379S37		50393FU9	
22653J829		50323H33		50342BJ29		50380KA39		50393FV27	
22714C37		50323P11		50342BK29		5038121		50393FW27	
22716A43		50323R33		50342BP29		50381B21		50393FX27	
22720B27		50324BJ40 .43		50342BS25		50381E9		50393FY27	
22729D41		50324BR56 .43		50344AH9		50381F21		50393FZ27	
22758E23		50324BR60 .43		50344AJ9		50381G21		50393GA27	
22764A37		50325AD31		50344AM29		50382CG41		50393GE9	
2276623		50325AE31		50344E9		50382CH41		50393GG45	
22799AH41		50325AF31		5034617		50382CJ41		50393GK45	
22841U41		50326AE43		50346A15		50382CK41		50393GP45	
22894C33		5032839		50347C15		50382CL39		50393GS45	
22894P37		50330BL16 .43		50347E9		50382CM41		50393GT27	
2319543		50330CZ9		50347F9		50382CP39		50393GU27	
258A27		50332A41		50347G15		50382CR39		50393HA41	
27-435BLK .43		50332B41		50347J15		50382CS39		50393HB23, 41	
28604R49		50332S27		50347K15		50382FW23		50393HE27	
28604X15		50332U9		50347L9		50382FX23		50393HH17	
29126FL15		50332V21		50351A11		50382FY23		50393HJ27	
29475CG17		50333A25		5035211		50382FZ23		50393HK27	
29476RZ45		50334AW35		50354F11		50382GA23		50393HL27	
29476SB27		50334AX35		50354G11		50382GB23		50393HM27	
34393D27		50334BB37		50354H9		50382GC23		50393HN27	
35036AB9		50334BC37		50354J9		50382GM23		50393HR27	
35036AP37		50334BD35		50354L31		50382GT41		50393HS11	
35036AZ37		50334BE35		5035537		50382T41		50393HU41	
35036F37		50334BH35		50355AM11		50383E33		50393HW11	
35095B49		50334BJ35		50355AN11		50383F33		50393JC45	
35569J41		50334V35		50355AR21		50383G41		50393JD45	
36271A17		50334Y35		50357AA21		50383L11		50393JP11	
39250J41		5033537		50357AD17		50383M11		50393JV23	
40219		50335A37		50357V17		5038427		50393W41	
41350X27		50335AF21		50357W33		50384A27		50394AF11	
4135833		50335AG21		50357X33		5039113		50397A1643	
421D3449		50335AH21		50357Y17		50392AB9		50397G43	
50301BF39		50335AK25		50358U17		50392AE17		5149233	
50301BH39		50335AM35		50358V17		50392AU17		51959B33	



NUMERICAL INDEX OF PARTS

Part No.	Page No.	Part No.	Page No.	Part No.	Page No.
51959D	33	B3126012000	19	SS7090520SP	19
51959K	33	B3530555000	23	SS7090530SP	35
51959L	33	C067D	39	SS7090610SP	17
52888B	21	C50044E	17	SS7090850SP	17, 41
52958D	33	C50056B	21	SS7091110TP	43
53678N	15	C50094B	27	SS7092110TP	33
56392G	19	CE27	11	SS7110910TP	15
56392H	19	CE49	21	SS7111120TP	11, 13
56392L	19	CE59	11	SS7120640SP	17, 23
56392M	19	CE63	11, 29	SS7120710SP	17
56392R	19	CE63	39	SS7120710SP	27, 41
57830A	43	CQ202000000	45	SS7120910SP	29
57844	17	G21201	49	SS7121410TP	15
57865	19	G50-266	43	SS7150740SP	39
57892K	19	G65-134	43	SS7660520SP	13, 25
6-25-55	43	GR15	15	SS7681410TP	13
605	43	LA452	23	SS8080310TP	17, 43
605A	17	NS6110420SP	19	SS8090710SP	9
61351C	15	NS6110530SP	15	SS8090740SP	35
652C16	17	NS6150310SP	21	SS8110422TP	11, 15
660-1020	41	PS0160042KH	45	SS8110422TP	21, 31
660-1043	13	PS0400142KH	9	SS8110422TP	35, 37
660-1062	25	RE0250000KO	35	SS8120410SP	27
660-206	37	RE0500000KO	21	SS8660410SP	25
660-220	37	RO068190100	21, 35	SS8660512TP	15
660-240	49	RO195240100	23	SS8660612TP	13
660-264	49	SD0380551SL	17	SS8660612TP	15, 25
660-283A	19	SD0550271TP	35	SS8660612TP	27, 29
660-455	29	SD0630275SP	33	SS8660612TP	35
660-739	15, 21	SD0641103TP	15	SS8661012TP	13
660-893	29	SD0790303SP	21	SS8661012TP	25, 37
660-934	25	SS1121010SP	17	SS8681412TP	13
660-939	39	SS3090530SP	35	SS9080410SP	33
660-969	37	SS4080620TP	11	SS9090410TP	31
660-979	29	SS4090615SP	45	SS9090640SP	15
660-980	11, 37	SS4090815SP	17, 27	SS9110543CP	41
661-259B	11	SS4091015SP	27	SS9111010SP	33
661-261	13	SS4120615SP	17	SS9151740CP	21
661-262	13	SS4120615SP	19, 23	TA1050504RO	23
661-35	37	SS4120615SP	39, 45	TA1100604RO	23
661-96	37	SS4120915SP	17, 23	WO3	41
667J33	29	SS4121015SP	41	WP0330501SP	33
670E2	27	SS4121215SP	23, 35	WP0531000SD	45
77B	33	SS4121615SP	23	WS0631510KP	27
79633	43	SS4151415SP	41	WZ0640200KP	33
87	43	SS5090610SP	35		
91	43	SS6060440TP	33, 43		
95978	23	SS6090440SP	11		
96162B	15	SS6090620SP	11		
99682XC	23	SS6091022TP	35		
99682XC1	23	SS6110610TP	21, 33		
99682XC2	23	SS6110650TP	35		
99682XCA	23	SS6120930TP	41		
998-358F	27	SS6121010SP	11, 21		
B1135850000	17	SS6121212TP	39		
B2531704000	15	SS6151812TP	27		
B3101804000	19	SS6151920SP	21		
B3103804000	19	SS6153040SP	21		
B3112704000	19	SS7060310SP	17		
B3120352000	19	SS7060310SP	31, 33		
B3120704000	19	SS7080510TP	15, 17		
B3121804000	19	SS7080520SP	11, 33		

