

SIRUBA®

銀箭牌工業用縫紉機
INDUSTRIAL SEWING MACHINE

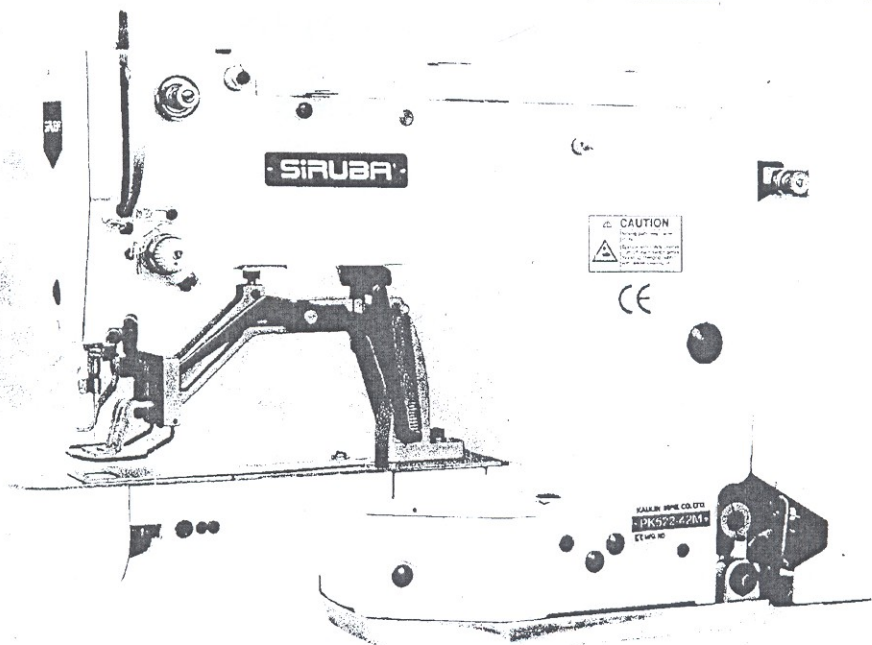
PK522

使用說明與零件圖 INSTRUCTION AND PARTS LIST

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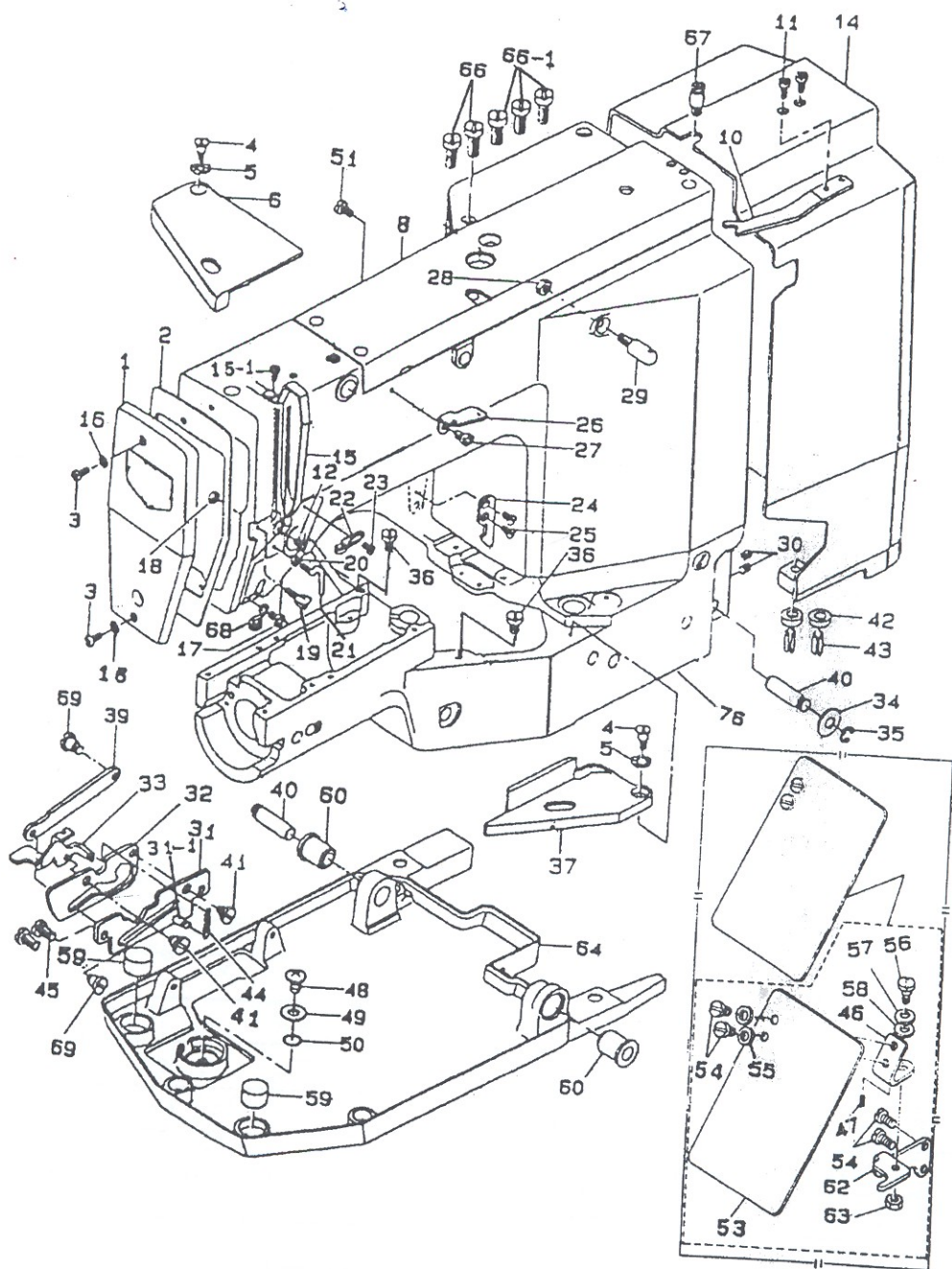
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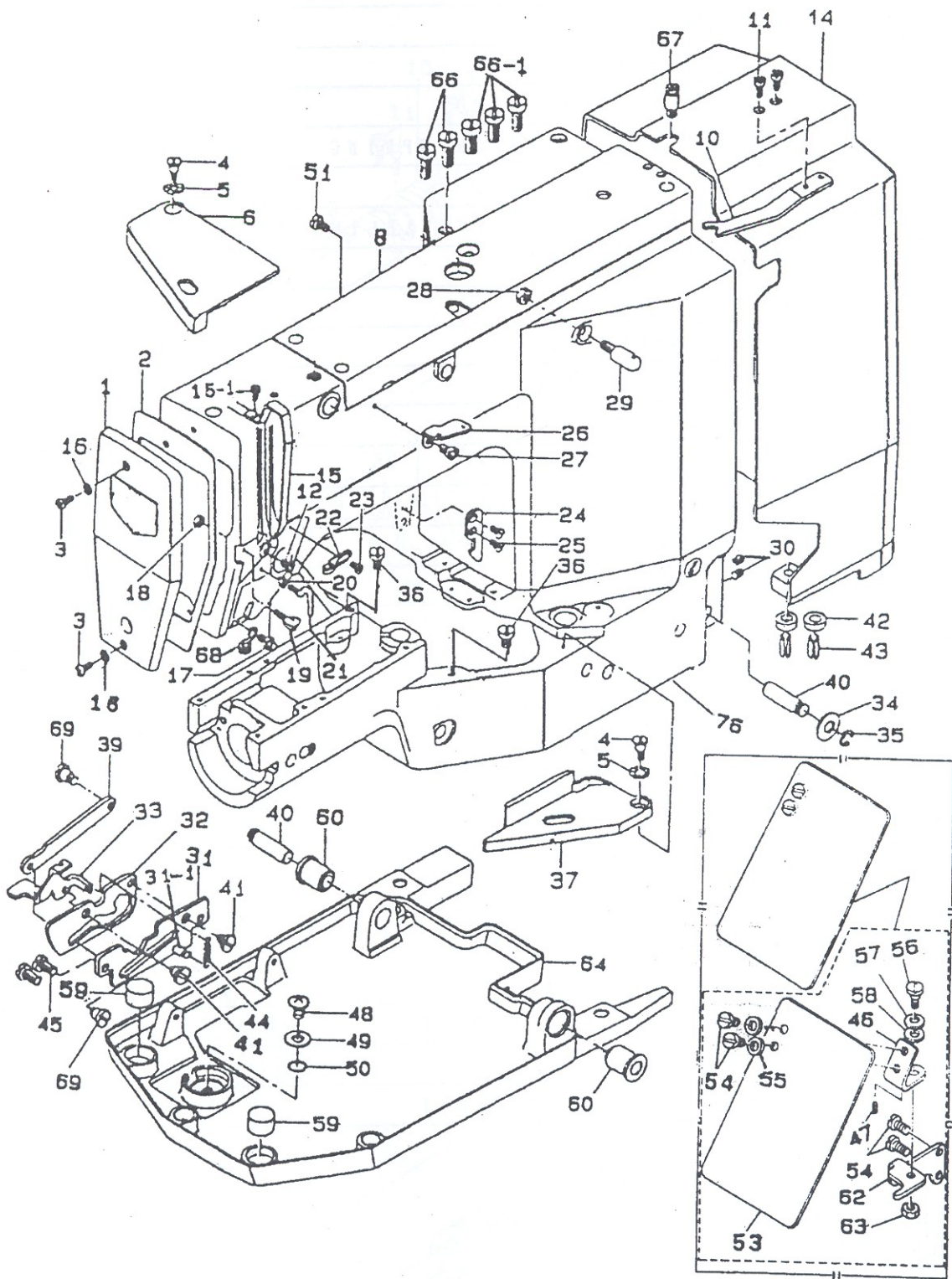


高林股份有限公司
KAULIN MFG. CO., LTD.



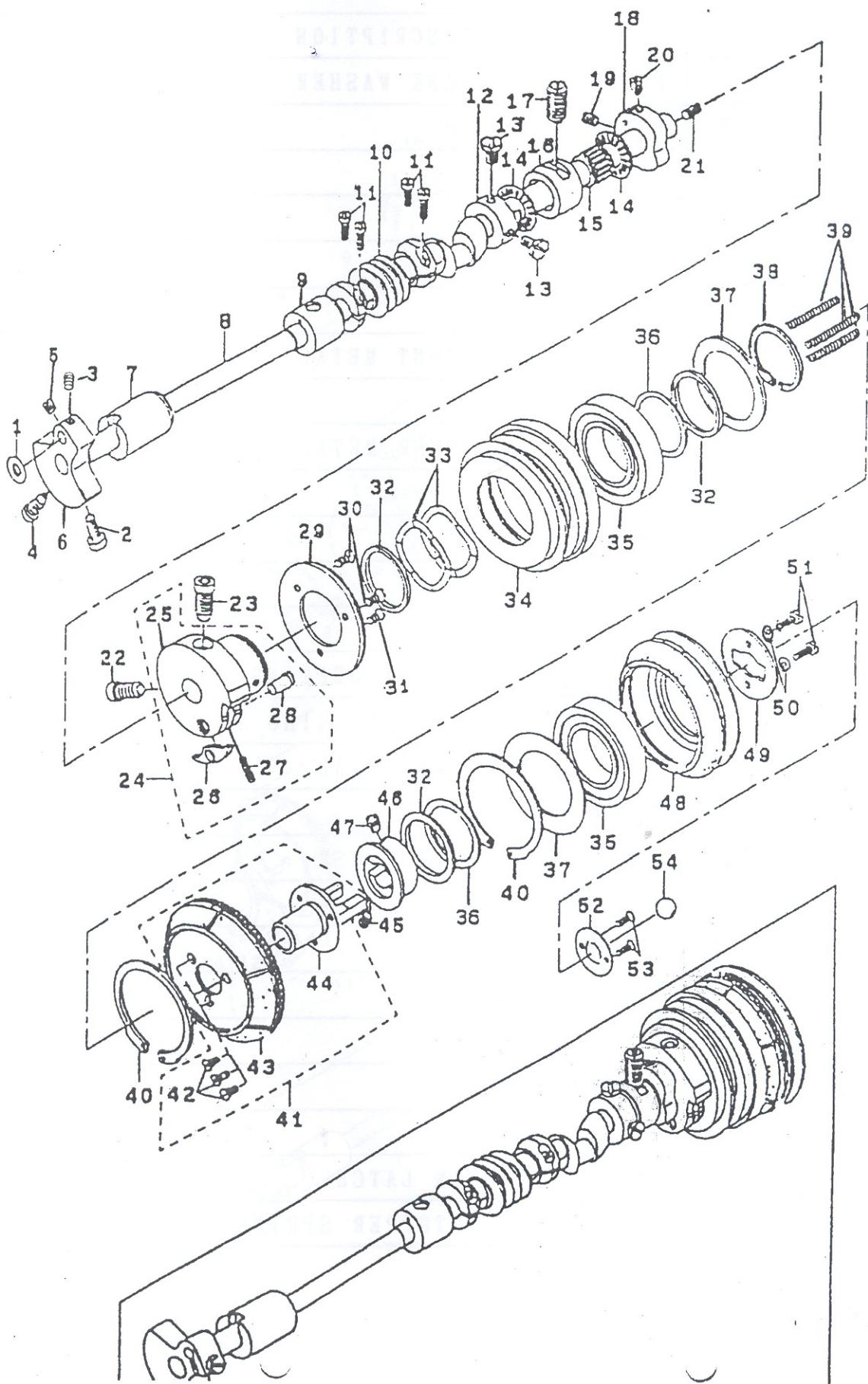
FRAME & MISCELLANEOUS COVER COMPONENTS

REF. NO.	DESCRIPTION	QTY
E 1 - 0 1	FACE PLATE ASM	
E 1 - 0 2	FACE PACKING	
E 1 - 0 3 F	SCREW 11/64-40	2
E 1 - 0 4 F	HINGE SCREW	2
E 1 - 0 5	WAVED WASHER 6.4*11*0.3	2
E 1 - 0 6	BED COVER B	
E 1 - 0 8	TOP COVER	
E 1 - 1 0	BELT COVER FIXING PLATE	
E 1 - 1 1 F	SCREW 11/64-40	2
E 1 - 1 2 F	SCREW 9/64-40	2
E 1 - 1 4	BELT COVER	
E 1 - 1 5	THREAD TAKE-UP LEVER OIL GAURD	
E 1 - 15-1F	SCREW 9/64-40	
E 1 - 1 6	WASHER 4.8*8.4*0.8	2
E 1 - 1 7 F	SCREW 11/64-40	
E 1 - 1 8 H	NUT 9/64-40	
E 1 - 1 9	THREAD GUIDE	
E 1 - 2 0 H	NUT 9/64-40	
E 1 - 2 1	L-SHAPED THREAD GUIDE A	
E 1 - 2 2	ARM THREAD GUIDE A	
E 1 - 2 3 F	SCREW 9/64-40	
E 1 - 2 4	BED FITTING HOOK	
E 1 - 2 5 F	SCREW 11/64-40	2
E 1 - 2 6	THREAD GUIDE PLATE	
E 1 - 2 7 F	SCREW 15/64-28	
E 1 - 2 8 H	NUT 15/64-28	
E 1 - 2 9 F	FIRST THREAD GUIDE	
E 1 - 3 0 F	SCREW 15/64-28	2
E 1 - 3 1	STAY GUIDE ASM.	
E 1 - 31-1	PIN	
E 1 - 3 2	DTAY ROCKER	
E 1 - 3 3	BED ROCKER	
E 1 - 3 4	WASHER 10.5*18*2	
E 1 - 3 5	E-RING	
E 1 - 3 6 F	SCREW 15/64-28	2
E 1 - 3 7	BED COVER A	



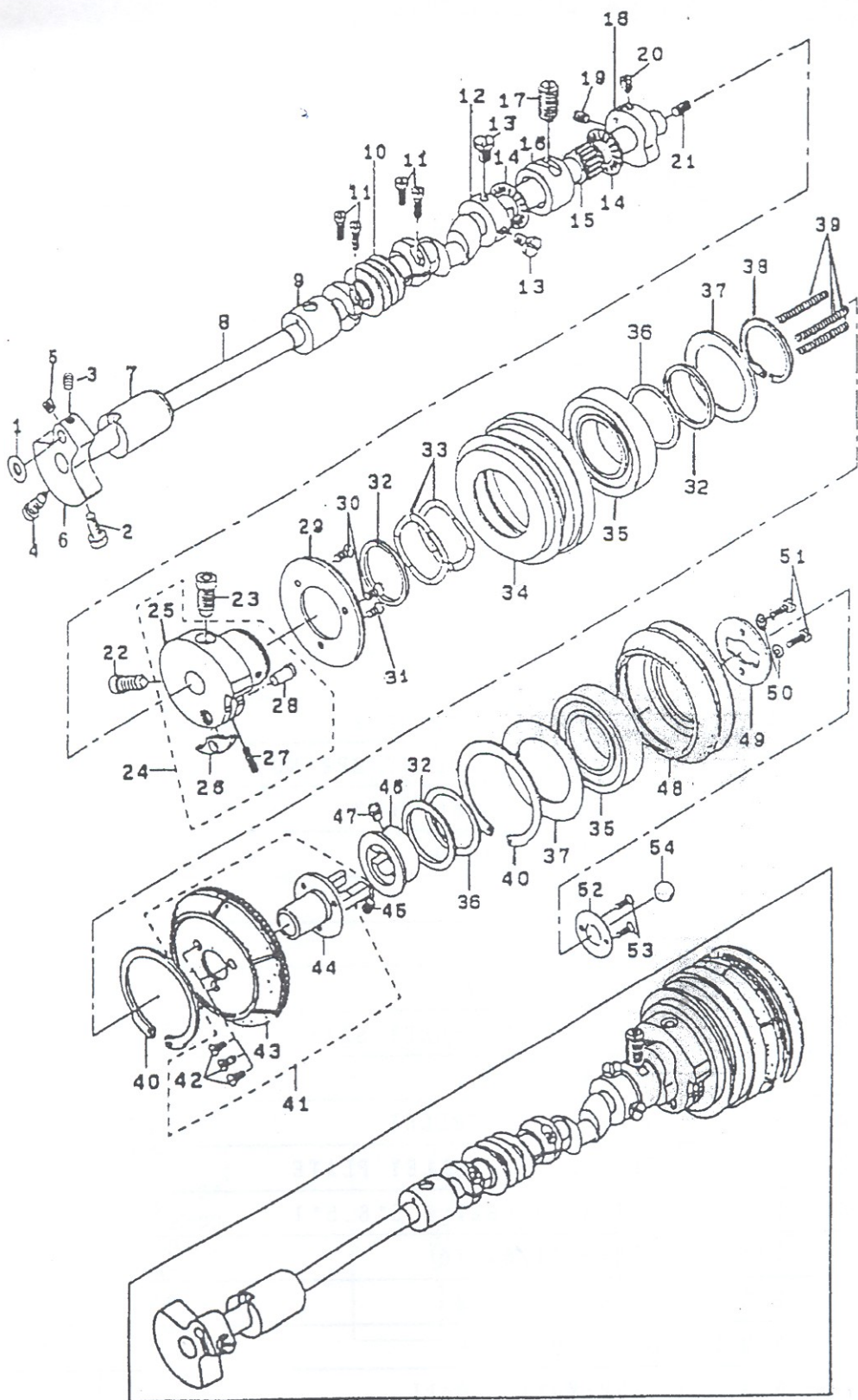
FRAME & MISCELLANEOUS COVER COMPONENTS

REF. NO.	DESCRIPTION	QTY
E 1 - 3 9	STAY	
E 1 - 4 0	BASE CONVERTING PIN	
E 1 - 4 1 F	HINGE SCREW	2
E 1 - 4 2	RUBBER WASHER	2
E 1 - 4 3	SPRING PIN 8*20	2
E 1 - 4 4	THREAD TENSION SPRING	2
E 1 - 4 5 F	SCREW 15/64-28	
E 1 - 4 6	SAFETY PLATE INSTALLING PLATE	2
E 1 - 4 7	STOPPER PIN	
E 1 - 4 8 F	SCREW	
E 1 - 4 9	WASHER	
E 1 - 5 0	RUBBER RING	
E 1 - 5 1 F	SCREW 11/64-40	
E 1 - 5 3	SAFETY PLATE	
E 1 - 5 4 F	SCREW 11/64-40	
E 1 - 5 5	WASHER 4.5*10*0.8	4
E 1 - 5 6 F	HINGE SCREW	2
E 1 - 5 7	DISK SPRING	
E 1 - 5 8	WASHER 6.5*13*0.8	
E 1 - 5 9	VIBRATION-PROOF RUBBER	
E 1 - 6 0	RUBBER BUSH	2
E 1 - 6 2	SAFETY PLATE MOUNTING BASE	2
E 1 - 6 3 H	NUT 3/16-32	
E 1 - 6 4	BED FITTING BASE	
E 1 - 6 6 F	SCREW 15/64-28	
E 1 - 66-1F	SCREW 15/64-28	2
E 1 - 6 7 F	SPRING RACK	3
E 1 - 6 8	ARM THREAD GUIDE B	
E 1 - 6 9 F	HINGE SCREW	
E 1 - 7 6	MACHINE FRAME UNIT	2



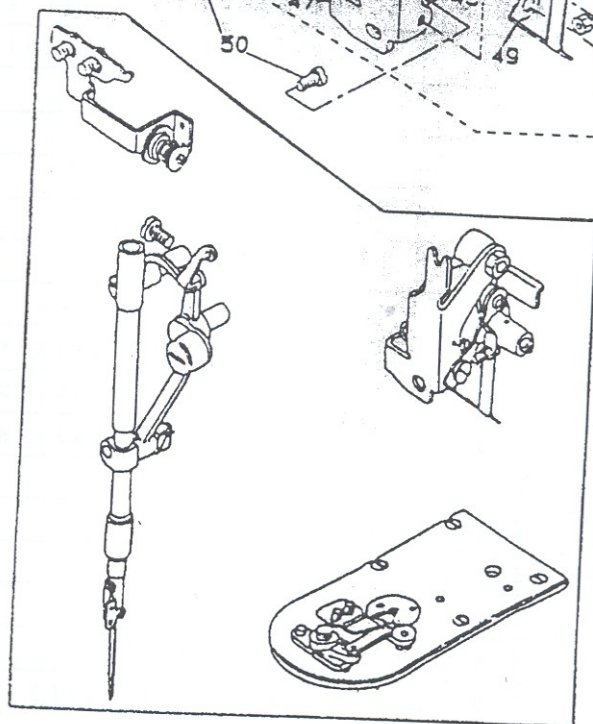
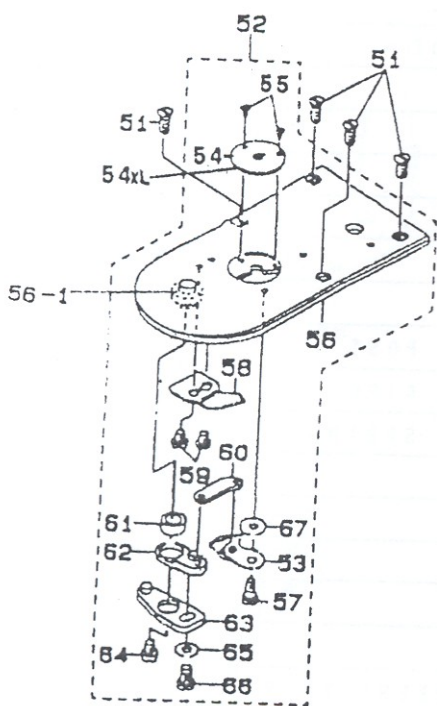
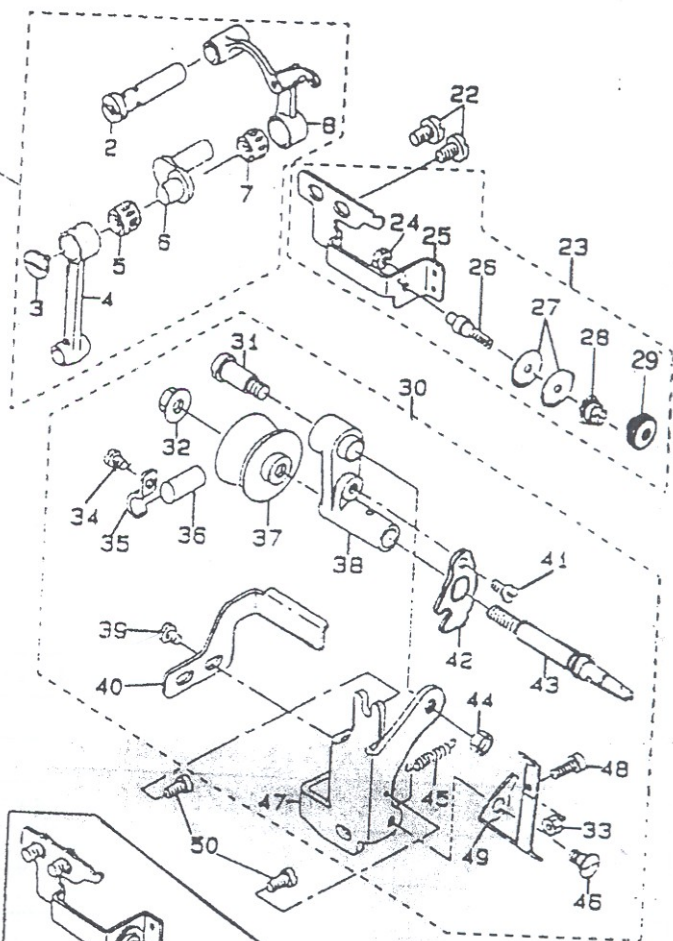
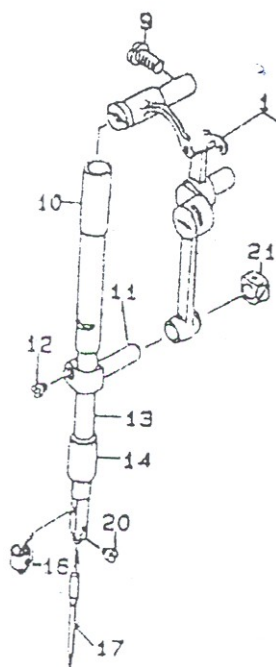
IN SHAFT COMPONENTS

REF. NO.	DESCRIPTION	QTY
E 2 - 0 1	NEEDLE ROD CRANK WASHER	
E 2 - 0 2 F	SCREW 15/64-28	
2 - 0 3 F	SCREW 1/4-40	
2 - 0 4 F	SCREW 9/32-28	
2 - 0 5 F	SCREW 1/4-40	
2 - 0 6	COUNTER WEIGHT	
2 - 0 7	UPPER SHAFT FRONT METAL	
2 - 0 8	MAIN SHAFT	
2 - 0 9	UPPER SHAFT INNER METAL	
2 - 1 0	WORM ASM.	
2 - 1 1 F	SCREW 11/64-40	4
2 - 1 2	THRUST COLLAR ASM.	
2 - 1 3 F	SCREW 1/4-40	2
2 - 1 4	UPPER SHAFT THRUST BEARING	2
2 - 1 5	MAIN SHAFT NEEDLE BEARING B	
2 - 1 6	UPPER SHAFT REAR METAL	
2 - 1 7 F	SET SCREW	
2 - 1 8	THREAD CUTTING CUM ASM.	
2 - 1 9 F	SCREW 1/4-40	
2 - 2 0 F	SCREW 1/4-40	
2 - 2 1 F	SCREW 15/64-28	
2 - 2 2 F	SCREW 3/8-28	
2 - 2 3 F	SCREW 3/8-28	
2 - 2 5	STOP-MOTION CAM	
2 - 2 6	STOP MOTION CAM LATCH	
2 - 2 7	SAFETY PLATE STOPPER SPRING	



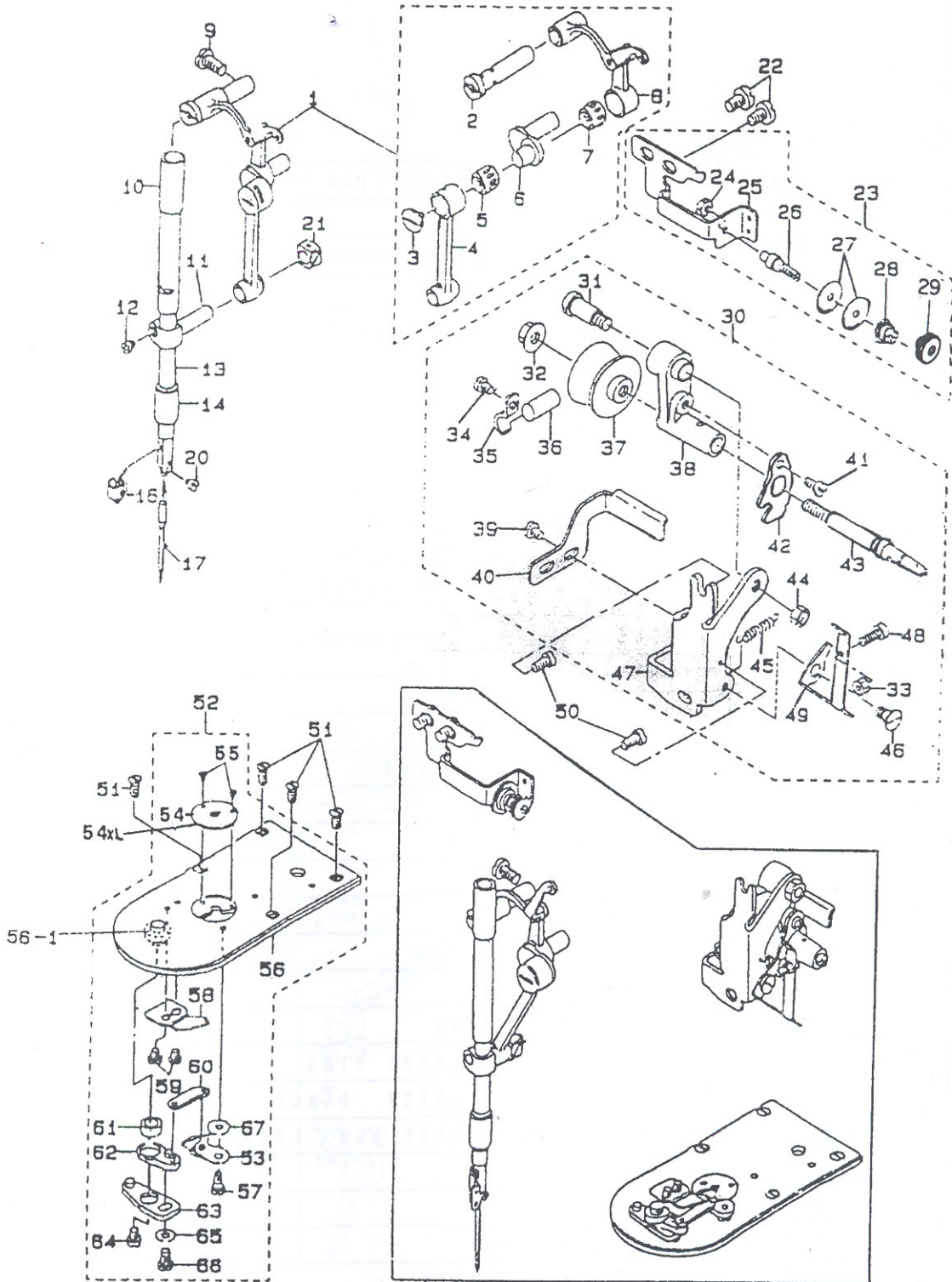
MAIN SHAFT COMPONENTS

REF. NO.	DESCRIPTION	QTY
E 2 - 2 8	PIN	
E 2 - 2 9	HIGH SPEED CLUTCH PLATE ASM.	
E 2 - 3 0 F	SCREW 11/64-40	2
E 2 - 3 1 F	SCREW 11/64-40	
E 2 - 3 2	SPACER	3
E 2 - 3 3	SPRING	2
E 2 - 3 4	HIGH SPEED PULLEY	
E 2 - 3 5	BEARING	2
E 2 - 3 6	SHIM	6
E 2 - 3 7	WASHER	2
E 2 - 3 8	RETAINING RING 32.2	
E 2 - 3 9	SLOW SPEED PULLEY SPRING	3
E 2 - 4 0	RETAINING RING 66.2	2
E 2 - 4 2 F	SCREW 11/64-40	3
E 2 - 4 3	PULLEY	
E 2 - 4 4	PULLEY SHAFT	
E 2 - 4 5 F	SCREW 1/4-40	
E 2 - 4 6	SLOW SPEED PULLEY SHAFT	
E 2 - 4 7 F	SCREW 1/4-40	
E 2 - 4 8	SLOW SPEED PULLEY	
E 2 - 4 9	SLOW SPEED PULLEY PLATE	
E 2 - 5 0	SPRING WASHER 4.5*8.5*1	2
E 2 - 5 1 F	SCREW 11/64-40	2
E 2 - 5 2	BALL RETAINER	
E 2 - 5 3 F	SCREW 9/64-40	2
E 2 - 5 4	STOP-MOTION BALL	



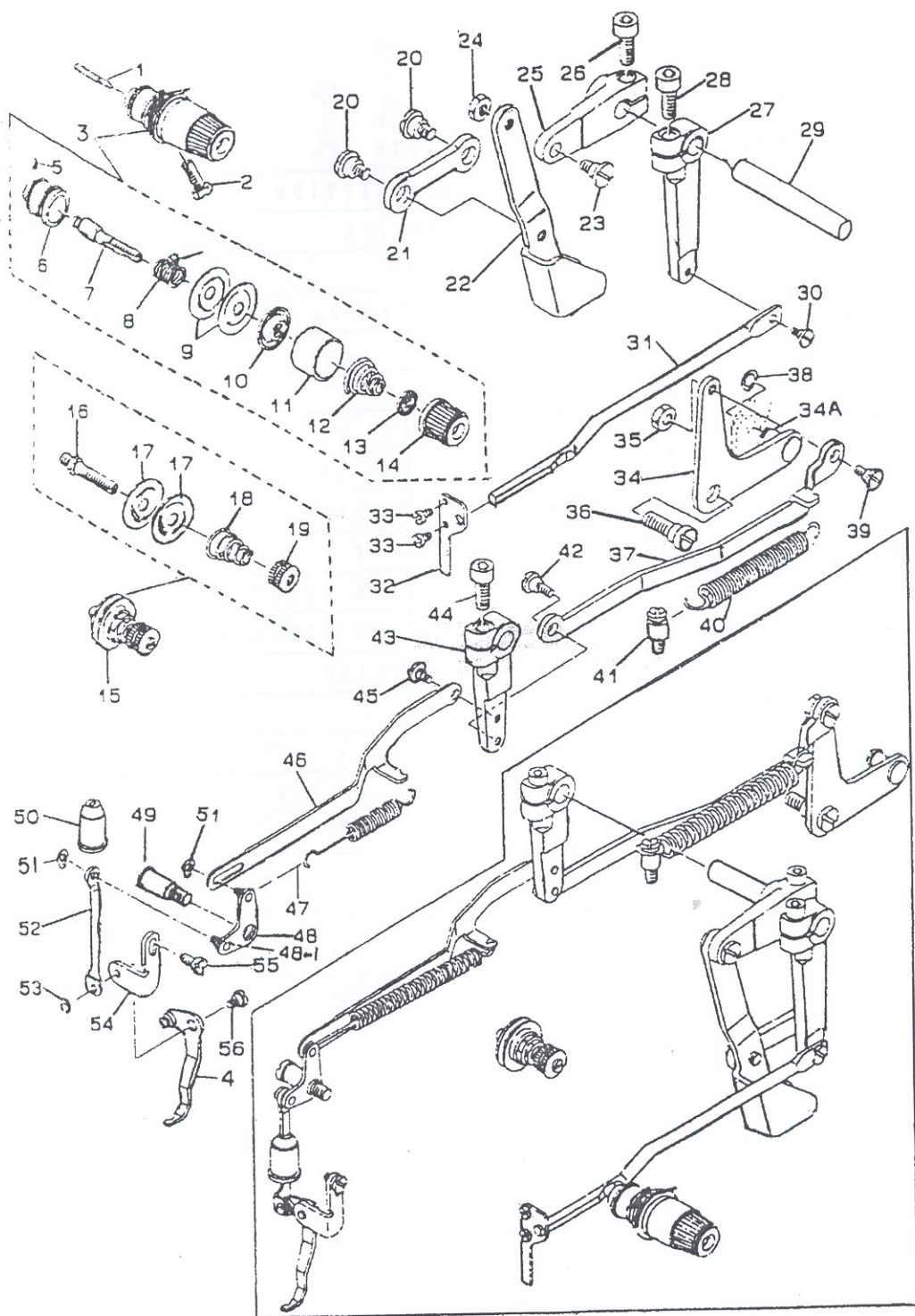
NEEDLE BAR COMPONENTS

REF. NO.	DESCRIPTION	QTY
E 3 - 0 1	LINK BALANCE ASM.	
E 3 - 0 2	BALANCE CRANK PIN	
E 3 - 0 3 F	LEFT SCREW	
E 3 - 0 4	NEEDLE BAR CRANK ROD	
E 3 - 0 5	NEEDLE DRIVING LEVER BEARING C	
E 3 - 0 6	NEEDLE ROD CRANK	
E 3 - 0 7	NEEDLE BEARING	
E 3 - 0 8	BALANCE ASM.	
E 3 - 0 9 F	SCREW 15/64-28	
E 3 - 1 0	NEEDLE ROD METAL	
E 3 - 1 1	NEEDLE ROD HOLDER ASM.	
E 3 - 1 2 F	SCREW 9/64-40	
E 3 - 1 3	NEEDLE BAR	
E 3 - 1 4	NEEDLE ROD LOWER METAL	
E 3 - 1 6	NEEDLE BAR THREAD GUIDE	
E 3 - 1 7	NEEDLE	
E 3 - 2 0 F	SCREW 1/8-44	
E 3 - 2 1	SQUARE BLOCK	
E 3 - 2 2 F	SCREW 15/64-28	2
E 3 - 2 4 H	NUT 11/64-40	
E 3 - 2 5	THREAD GUIDE BRACKET	
E 3 - 2 6	BOBBIN WINDER TENSION POST	
E 3 - 2 7	BOBBIN WINDER TENSION DISC	2
E 3 - 2 8	BOBBIN WINDER TENSION SPRING	
E 3 - 2 9	NUT	
E 3 - 3 1	HINGE SCREW	
E 3 - 3 2 H	NUT	
E 3 - 3 3 H	NUT 11/64-40	
E 3 - 3 4 F	SCREW 11/64-40	
E 3 - 3 5	BOBBIN WINDER BRAKE PRESSURE P	
E 3 - 3 6	BOBBIN WINDER BRAKE	
E 3 - 3 7	BOBBIN WINDER WHEEL	
E 3 - 3 8	BOBBIN WINDER SPINDLE BUSHING	



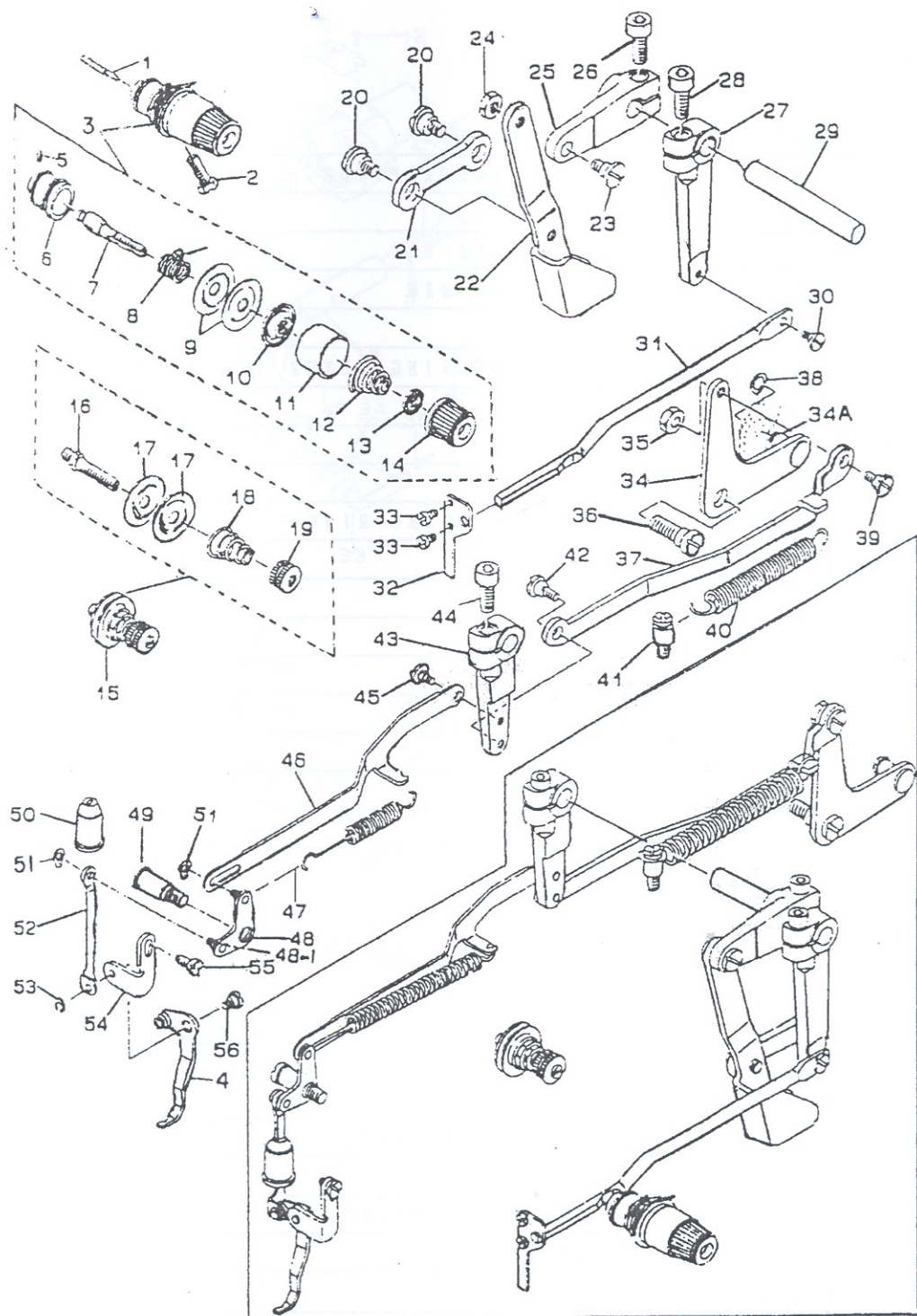
NEEDLE BAR COMPONENTS

REF. NO.	DESCRIPTION	Q TY
E 3 - 3 9 F	SCREW 11/64-40	
E 3 - 4 0	BOBBIN WINDER BELT SUPPORT	
E 3 - 4 1 F	SCREW 11/64-40	
E 3 - 4 2	BOBBIN WINDER TRIP LATCH	
E 3 - 4 3	BOBBIN WINDER SHAFT	
E 3 - 4 4 H	NUT 15/64-28	
E 3 - 4 5	SPRING	
E 3 - 4 6 F	HINGE SCREW	
E 3 - 4 7	BOBBIN WINDER BASE	
E 3 - 4 8 F	BOBBIN WINDER ADJUSTING SCREW	
E 3 - 4 9	BOBBIN WINDER TRIP LATCH	
E 3 - 5 0 F	SCREW 11/64-40	2
E 3 - 5 1 F	SCREW 11/64-40	4
E 3 - 5 3	MOVING KNIFE ASM.	
E 3 - 5 4	NEEDLE HOLE GUID	
E 3 - 5 4 XL	NEEDLE HOLE GUID (G)	
E 3 - 5 5 F	SCREW 3/32-56	2
E 3 - 5 6	NEEDLE PLATE ASM.	
E 3 - 56-1F	SCREW 11/64-40	
E 3 - 5 7 F	HINGE SCREW	
E 3 - 5 8	FIXING KNIFE	
E 3 - 5 9 F	SCREW 9/64-40	2
E 3 - 6 0	MOVING KNIFE LINK	
E 3 - 6 1	THREAD CUTTING LEVER RING	
E 3 - 6 2	THREAD CUTTING LEVER SMALL	
E 3 - 6 3	THREAD CUTTER LEVER ASM., LARG	
E 3 - 6 4 F	SCREW 11/64-40	
E 3 - 6 5	WASHER	
E 3 - 6 6 F	SCREW 11/64-40	
E 3 - 6 7	MOVING KNIFE WASHER C	



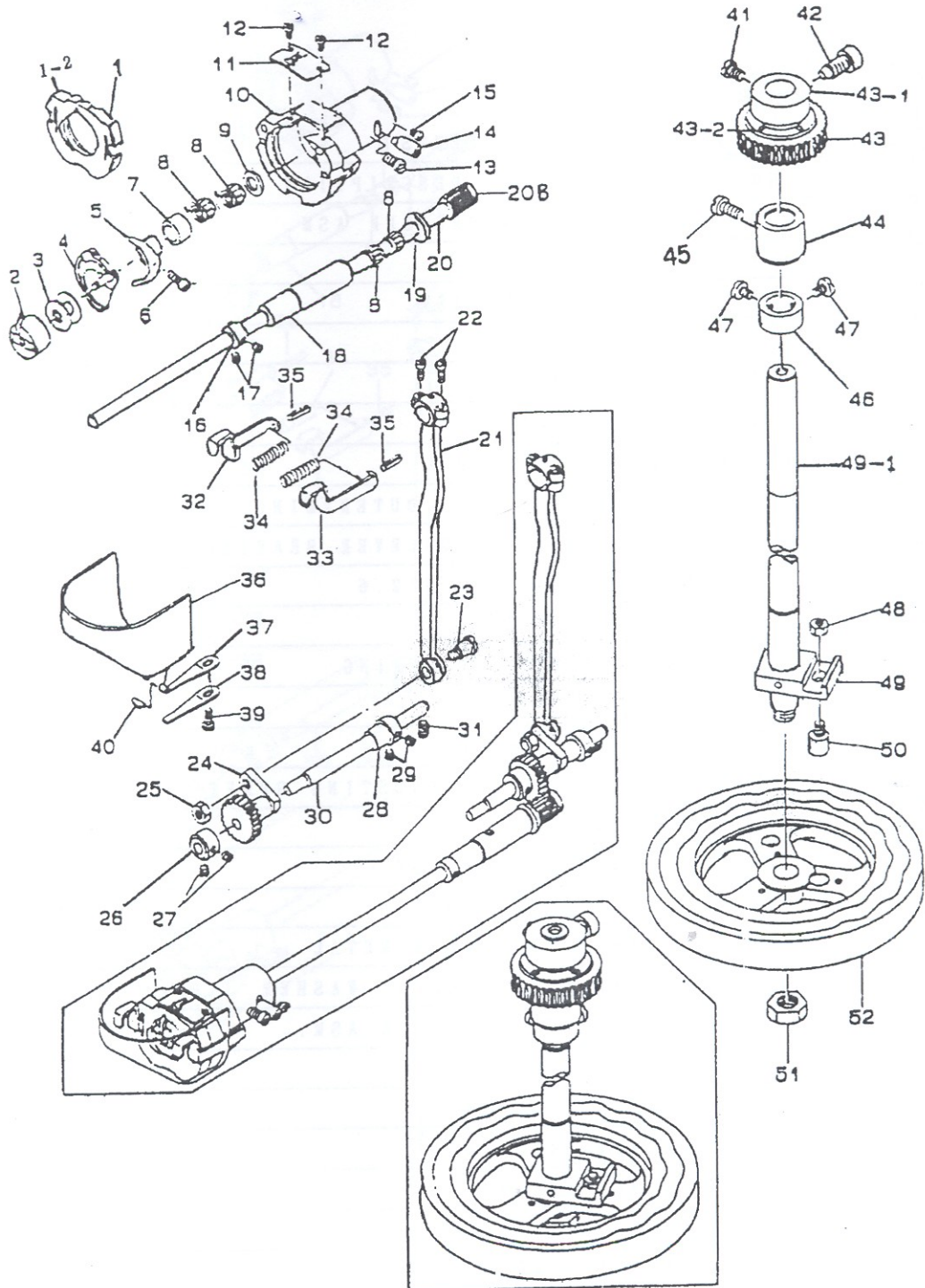
THREAD TENSION RELEASE COMPONENTS

REF. NO.	DESCRIPTION	QTY
E 4 - 0 1	TENSION RELEASE PIN	
E 4 - 0 2 F	SCREW 15/64-28	
E 4 - 0 3	SECOND THREAD TENSION ASM.	
E 4 - 0 4	WIPER ASM.	
E 4 - 0 5 F	SCREW 9/64-40	
E 4 - 0 6	THREAD TENSION ROD, LARGE	
E 4 - 0 7	SECOND THREAD TENSION ROD	
E 4 - 0 8	THREAD TAKE-UP SPRING	
E 4 - 0 9	THREAD TENSION DISK	2
E 4 - 1 0	THREAD TENSION DISK PRESSER	
E 4 - 1 1	THREAD TENSION DISK PRESSER	
E 4 - 1 2	THREAD TENSION SPRING	
E 4 - 1 3	ROTATING STOPPER	
E 4 - 1 4	THREAD TENSION NUT	
E 4 - 1 5	FIRST THREAD TENSION ASM.	
E 4 - 1 6	THREAD TENSION ROD	
E 4 - 1 7	THREAD TENSION DISK	2
E 4 - 1 8	FIRST THREAD TENSION SPRING	
E 4 - 1 9	THREAD TENSION NUT	
E 4 - 2 0 F	HINGE SCREW	2
E 4 - 2 1	CONNECTING LINK	
E 4 - 2 2	LOWERING FOOT	
E 4 - 2 3 F	HINGE SCREW	
E 4 - 2 4 H	NUT 15/64-28	
E 4 - 2 5	LOWERING ARM	
E 4 - 2 6 F	SCREW 15/64-28	
E 4 - 2 7	TENSION RELEASE ARM	
E 4 - 2 8 F	SCREW 15/64-28	
E 4 - 2 9	SHAFT	



THREAD TENSION RELEASE COMPONENTS

REF. NO.	DESCRIPTION	QTY
E 4 - 3 0 F	HINGE SCREW	
E 4 - 3 1	TENSION RELEASE BAR	
E 4 - 3 2	THREAD TENSION ARM	
E 4 - 3 3 F	SCREW 9/64-40	2
E 4 - 3 4	LOWERING CONNECTING LEVER ASM.	
E 4 - 3 4 A	PIN	
E 4 - 3 5 H	NUT 15/64-28	
E 4 - 3 6 F	HINGE SCREW	
E 4 - 3 7	LOWERING CONNECTING RING	
E 4 - 3 8	C-RING	
E 4 - 3 9 F	HINGE SCREW	
E 4 - 4 0	TENSION SPRING	
E 4 - 4 1 F	SPRING PACK	
E 4 - 4 2 F	HINGE SCREW	
E 4 - 4 3	CONNECTING ARM	
E 4 - 4 4 F	SCREW 15/64-28	
E 4 - 4 5 F	HINGE SCREW	
E 4 - 4 6	WIPER CONNECTING LINK	
E 4 - 4 7	SPRING	
E 4 - 4 8	WIPER CONNECTING ARM ASM.	
E 4 - 48-1	PIN	
E 4 - 4 9 F	WIPER CONNECTING SCREW	
E 4 - 5 0	OIL SHIELD CAP	
E 4 - 5 1	RING	2
E 4 - 5 2	WIPER CONNECTING PLATE	
E 4 - 5 3	SNAP RING	
E 4 - 5 4	WIPER INSTALLING PLATE	
E 4 - 5 5 F	SCREW 11/64-40	
E 4 - 5 6 F	HINGE SCREW	



SHUTTLE DRIVER SHAFT COMPONENTS

REF. NO.	DESCRIPTION	QTY
E 5 - 0 1	INNER HOOK PRESSER ASM.	
E 5 - 1 - 2	PIN	2
E 5 - 0 2	BOBBIN CASE ASM.	
E 5 - 0 3	BOBBIN	
E 5 - 0 4	INNER HOOK	
E 5 - 0 5	DRIVER ASM.	
E 5 - 0 6 F	SCREW 3/16-28	
E 5 - 0 7	SHUTTLE NEEDLE OUTER RING	
E 5 - 0 8	NEEDLE DRIVING LEVER BEARING B	4
E 5 - 0 9	WASHER 9.5*14.8*2.6	
E 5 - 1 0	SHUTTLE	
E 5 - 1 1	SHUTTLE UPPER SPRING	
E 5 - 1 2 F	SCREW 3/32-56	2
E 5 - 1 3 F	SCREW 15/64-28	
E 5 - 1 4	SHUTTLE RACE ADJUSTING SHAFT	
E 5 - 1 5 F	SCREW 11/64-40	
E 5 - 1 6	THRUST COLLAR ASM.	
E 5 - 1 7 F	SCREW 11/64-40	2
E 5 - 1 8	LOWER SHAFT REAR METAL	
E 5 - 1 9	LOWER SHAFT THRUST WASHER	
E 5 - 2 0	LOWER SHAFT GEAR A ASM.	
E 5 - 2 0 B	SHAFT	
E 5 - 2 1	CRANK ROD ASM.	
E 5 - 2 2 F	SCREW 11/64-40	2
E 5 - 2 3 F	HINGE SCREW	
E 5 - 2 4	OSCILLATOR	
E 5 - 2 5 H	NUT 1/4-40	
E 5 - 2 6	THRUST COLLAR ASM.	
E 5 - 2 7 F	SCREW 11/64-40	
E 5 - 2 8	THRUST COLLAR ASM.	
E 5 - 2 9 F	SCREW 11/64-40	
E 5 - 3 0	OSCILLATING SHAFT	

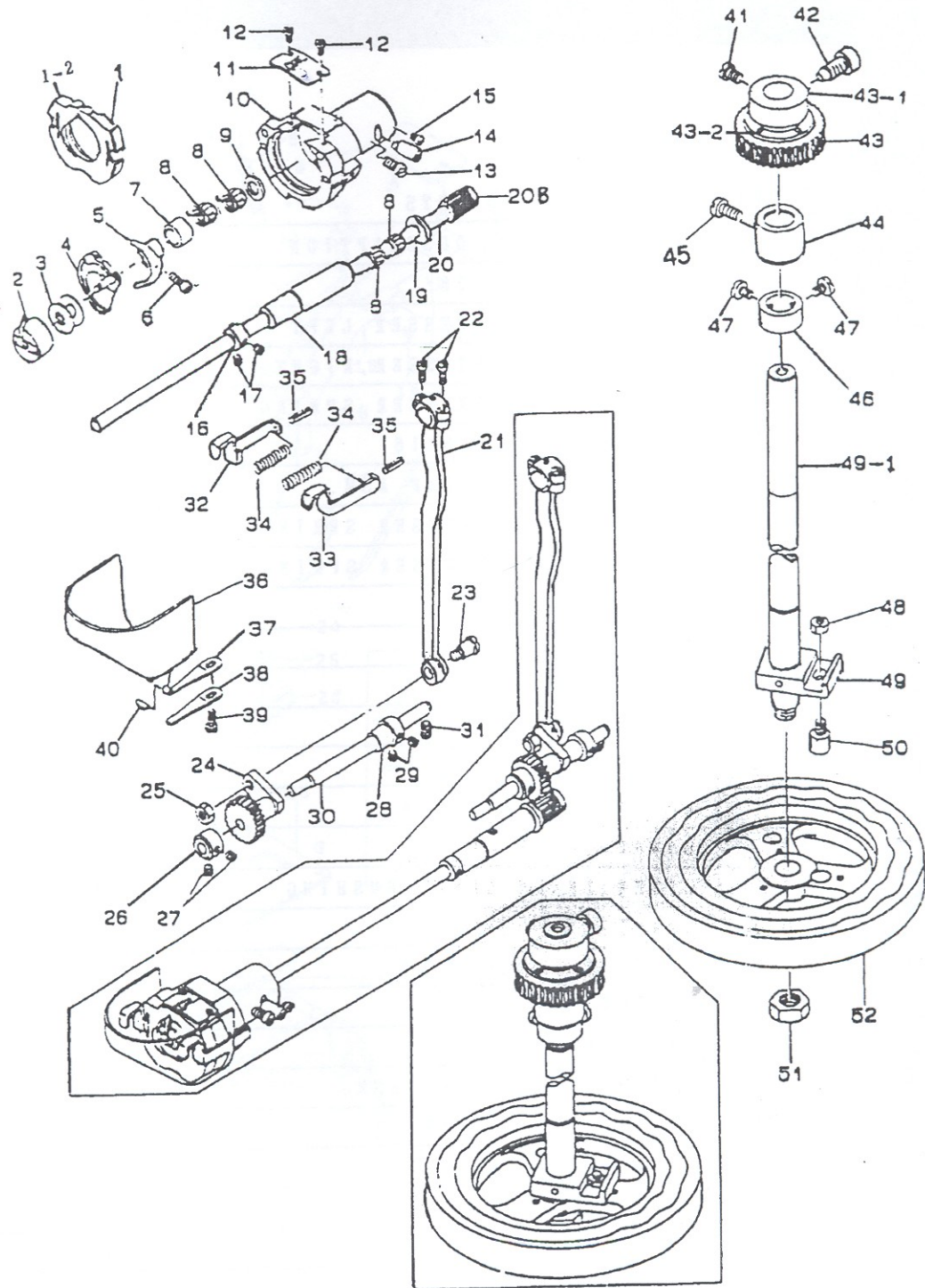
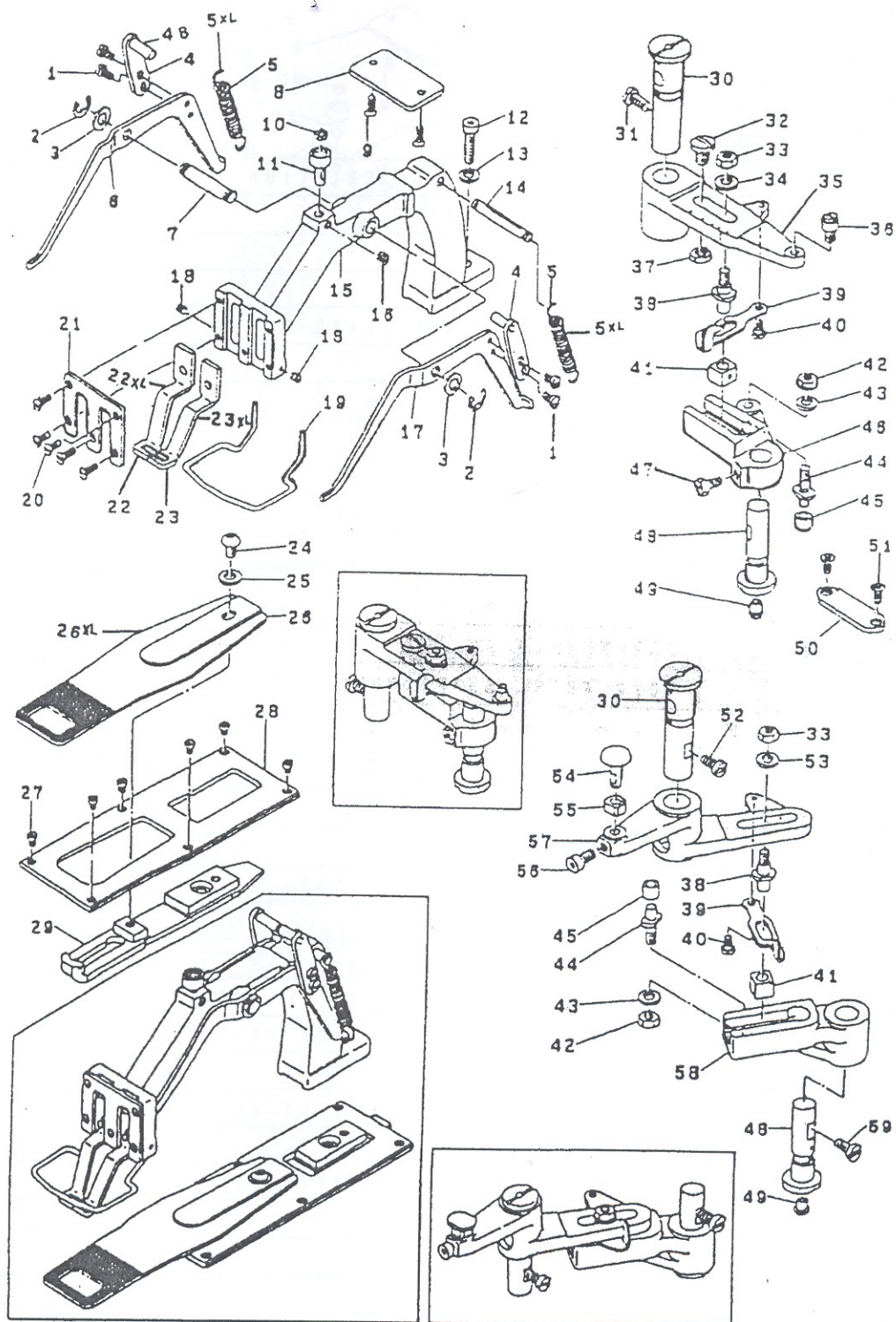


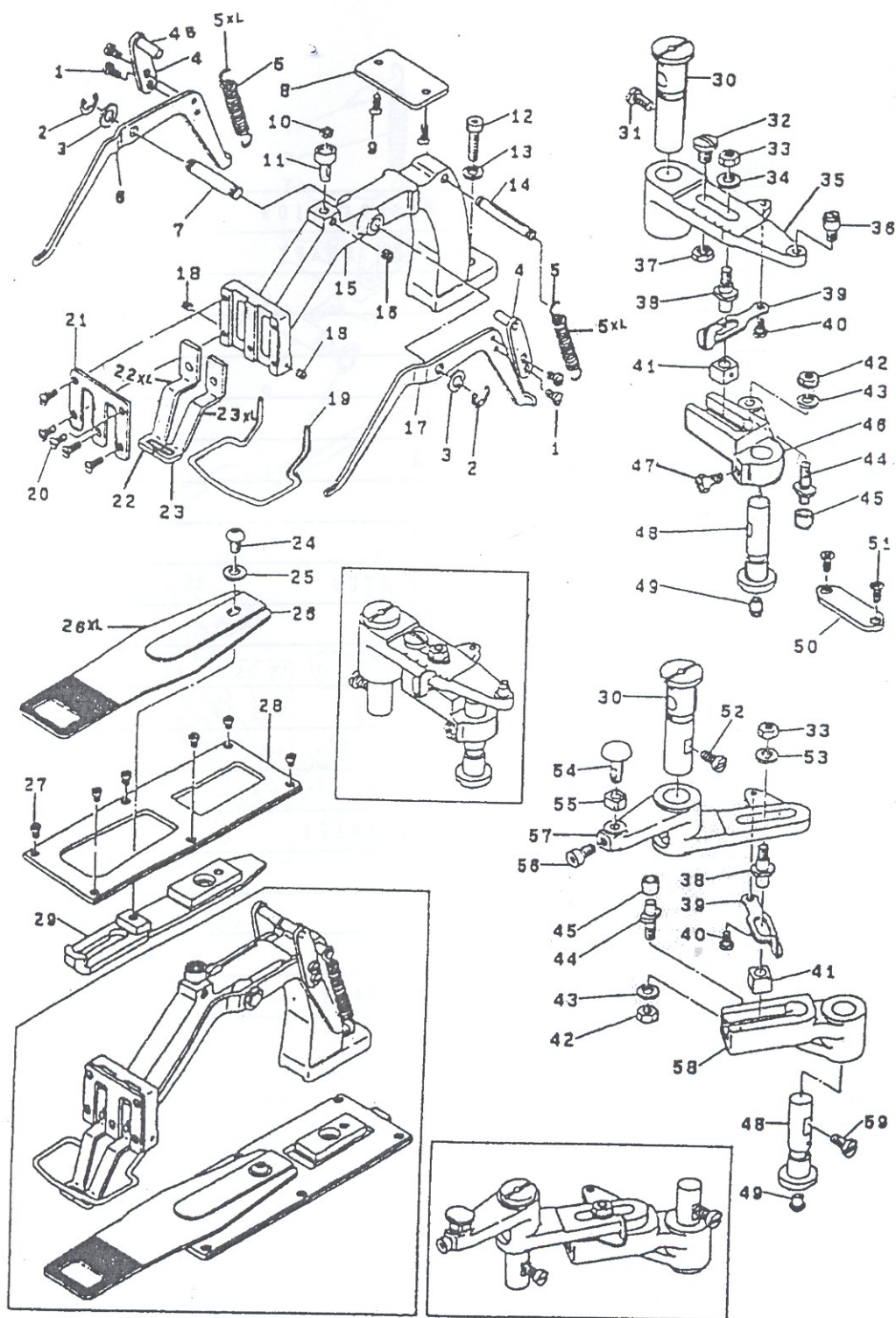
TABLE DRIVER SHAFT COMPONENTS

P. NO.	DESCRIPTION	QTY
5 - 3 1 F	SCREW 15/64-28	
5 - 3 2	INNER HOOK PRESSER, LEFT	
5 - 3 3	INNER HOOK PRESSER, RIGHT	
5 - 3 4	INNER HOOK PRESSER SPRING	2
5 - 3 5	SPRING PIN 2.5*16	2
5 - 3 6	CYLINDER ARM CAP ASM.	
5 - 3 7	HOOK COVER PRESSER SPRING A	
5 - 3 8	HOOK COVER PRESSER SPRING B	
5 - 3 9 F	SCREW 11/64-40	
5 - 4 0	PIN	
5 - 4 1 F	SCREW 1/4-40	
5 - 4 2 F	SCREW 3/8-28	
5 - 4 3	WORM WHEEL ASM.	
5 - 4 3 -1	THRUST COLLAR ASM.	
5 - 43-2F	SCREW 3/16-28	4
5 - 4 4	WORM WHEEL SHAFT BUSHING	
5 - 4 5 F	SCREW 15/64-28	
5 - 4 6	THRUST COLLAR ASM	
5 - 4 7 F	SCREW 1/4-40	2
5 - 4 8 H	NUT 1/4	
5 - 4 9	WORM WHEEL SHAFT ASM.	
5 - 49-1	WORM WHEEL SHAFT	
5 - 5 0	CAM GUIDE PIN	
5 - 5 1 H	NUT 9/16-20	
5 - 5 2	FEED CAM	



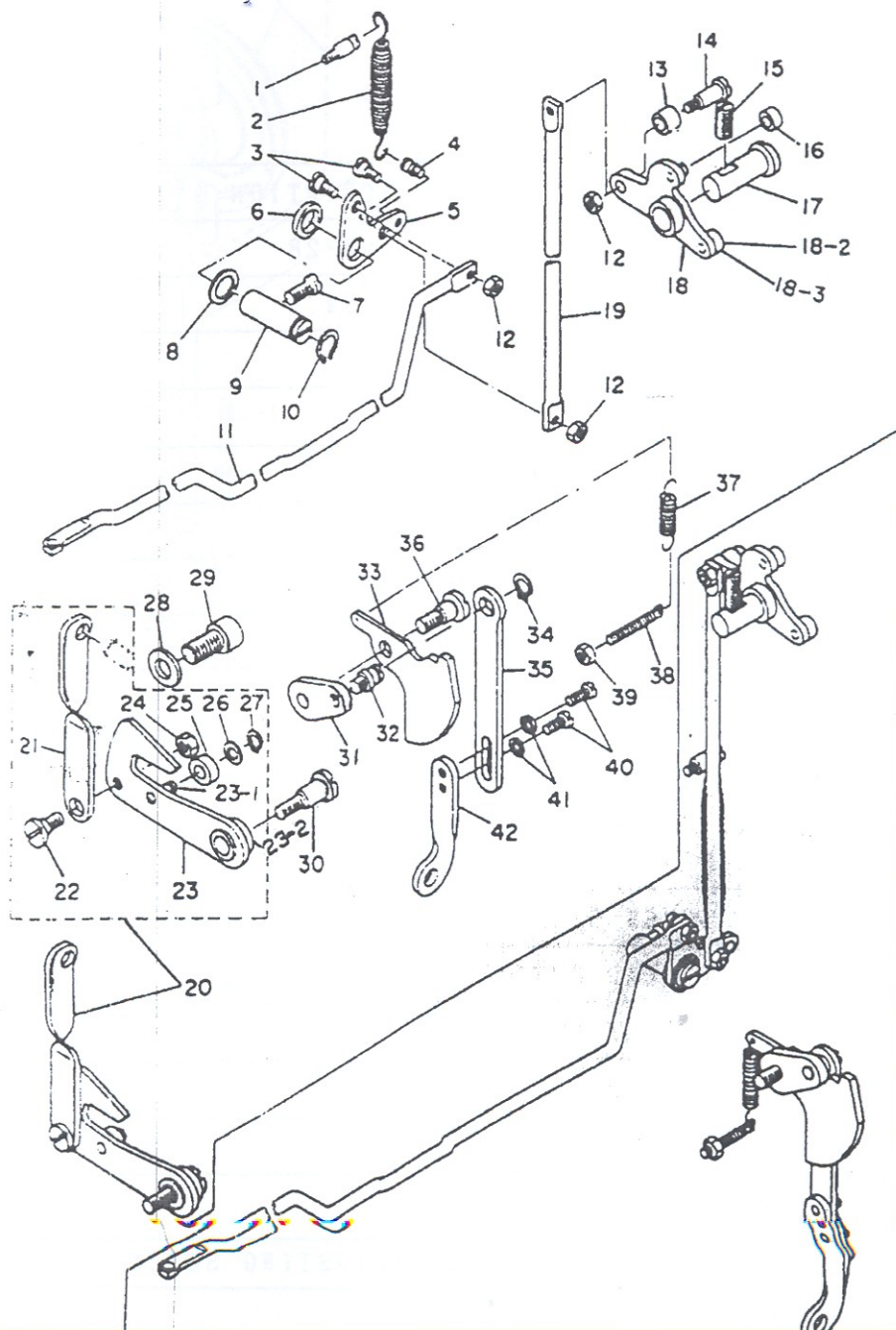
FEED MECHANISM COMPONENTS

REF. NO.	DESCRIPTION	QTY
E 6 - 0 1 F	SCREW 11/64-40	
E 6 - 0 2	E-RING 7	4
E 6 - 0 3	WASHER	2
E 6 - 0 4	LEVER DRIVING PLATE ASM.	2
E 6 - 0 4 B	PIN	2
E 6 - 0 5	TENSION SPRING	2
E 6 - 0 5 XL	TENSION SPRING (G)	
E 6 - 0 6	LIFTING LEVER, LEFT	
E 6 - 0 7	LIFTING LEVER SHAFT	
E 6 - 0 8	SUPPORT PLATE	
E 6 - 0 9 F	SCREW 11/64-40	2
E 6 - 1 0	WORK CLAMP FOOT MOUNTING BASE	7
E 6 - 1 1	BALL RETAINER	
E 6 - 1 2 F	SCREW 15/64-28	
E 6 - 1 3	WASHER 6.2*13*1	
E 6 - 1 4	SPRING SUSPENSION	
E 6 - 1 5	FEED BRACKET	
E 6 - 1 6 F	SCREW 15/64-28	
E 6 - 1 7	LIFTING LEVER, RIGHT	
E 6 - 1 8 F	SCREW 1/8-44	2
E 6 - 1 9	FINGER GUARDE	
E 6 - 2 0 F	SCREW 11/64-40	5
E 6 - 2 1	WORK CLAMP FOOT FACE PLATE	
E 6 - 2 2	WORK CLAMP FOOT, RIGHT	
E 6 - 2 2 XL	WORK CLAMP FOOT, RIGHT (G)	
E 6 - 2 3	WORK CLAMP FOOT, LEFT	
E 6 - 2 3 XL	WORK CLAMP FOOT, LEFT (G)	
E 6 - 2 4 F	SCREW 15/64-28	
E 6 - 2 5	WASHER	
E 6 - 2 6	FEED PLATE	
E 6 - 2 6 XL	FEED PLATE (G)	
E 6 - 2 7 F	SCREW 11/64-40	6
E 6 - 2 8	FEED PLATE PRESSER PLATE	
E 6 - 2 9	FEED PLATE CARRIER BAR	



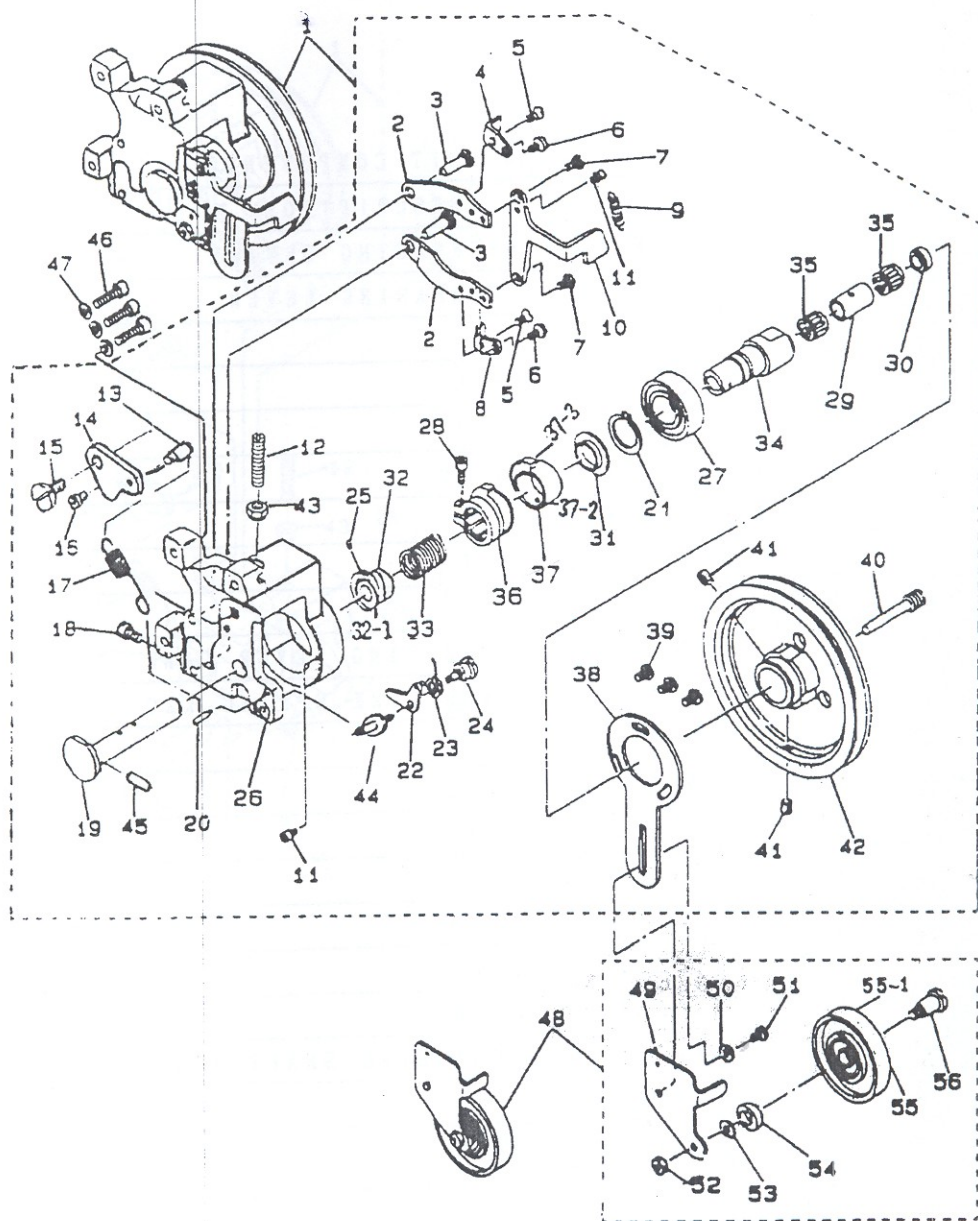
FEED MECHANISM COMPONENTS

REF.	NO.	DESCRIPTION	QTY
6	3 0	FEED DRIVING ARM SHAFT	
6	3 1 F	SCREW 15/64-28	2
6	3 2 F	SCREW 5/16-24	
6	3 3 H	NUT 15/64-28	
6	3 4	WASHER 7*15*2	2
6	3 5	FEED REGULATOR	
6	3 6	HINGE STUD	
6	3 7 H	NUT 5/16-24	
6	3 8	FEED REGULATOR STUD	
6	3 9	INDICATOR LEVER	2
6	4 0 F	HINGE SCREW	2
6	4 1	SLIDE BLOCK B	2
6	4 2 H	NUT 1/4-40	2
6	4 3	WASHER 6.5*13*0.8	2
6	4 4	FEED CAM ROLLER SHAFT	2
6	4 5	FEED CAM ROLLER	2
6	4 6	FEED DRIVING ARM	2
6	4 7 F	SCREW 15/64-28	
6	4 8	FEED REGULATOR SHAFT	
6	4 9	RUBBER PLUG	2
6	5 0	PLATE	2
6	5 1 F	SCREW 11/64-40	
6	5 2 F	SCREW 15/64-28	2
6	5 3	WASHER 7*20*4.5	
6	5 4	SLIDE BLOCK STUD	
6	5 5	SQUARE BLOCK	
6	5 6 F	SCREW 15/64-28	
6	5 7	FEED ACROSS DRIVING ARM	
6	5 8	FEED ACROSS REGULATOR	
6	5 9 F	SCREW 15/64-28	



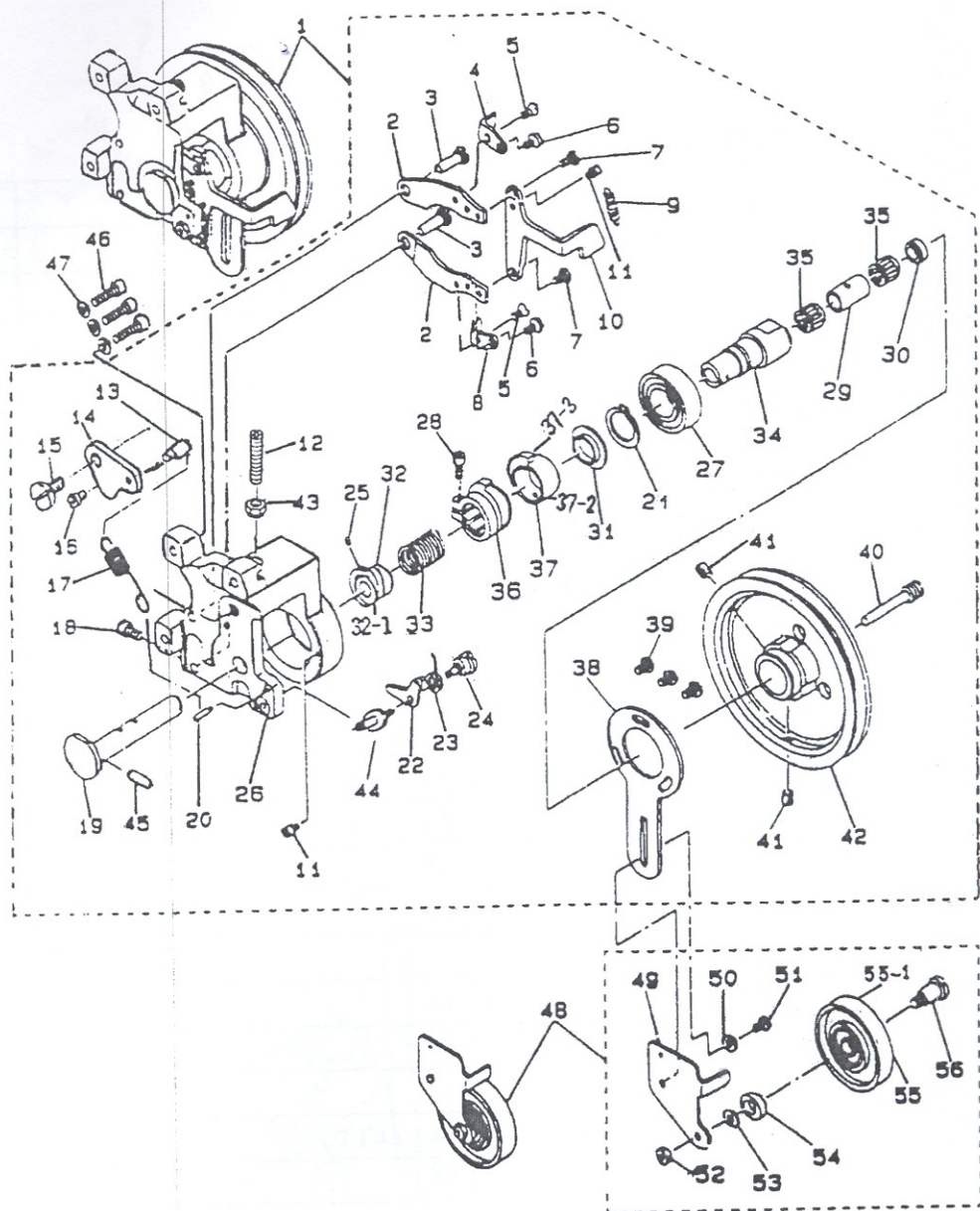
THREAD TRIMMING COMPONENTS

REF.	NO.	DESCRIPTION	QTY
E 7 - 2 2 F		HINGE SCREW 15/64-28	
E 7 - 2 3		LOWERING LEVER ASM.	
E 7 - 2 3 -1		PIN	
E 7 - 2 3 -2		ROLLER	
E 7 - 2 4 H		NUT 15/64-28	
E 7 - 2 5		ROLLER	
E 7 - 2 6		WASHER	
E 7 - 2 7		STOP RING	
E 7 - 2 8		WASHER 9.8*24*2.6	
E 7 - 2 9 F		SCREW 3/8-28	
E 7 - 3 0 F		HINGE SCREW	
E 7 - 3 1		AUXILIARY LEVER	
E 7 - 3 2		SHAFT	
E 7 - 3 3		THREAD TRIMMING AUXILIARY CAM	
E 7 - 3 4		RETAINING RING	
E 7 - 3 5		CONNECTING PLATE B	
E 7 - 3 6 F		HINGE SCREW	
E 7 - 3 7		SPRING	
E 7 - 3 8 F		TENSION SPRING ADJUSTING SCREW	
E 7 - 3 9 H		NUT 11/64-40	
E 7 - 4 0 F		SCREW 11/64-40	2
E 7 - 4 1		WASHER 4.8*8.4*0.8	2
E 7 - 4 2		CONNECTING PLATE A	



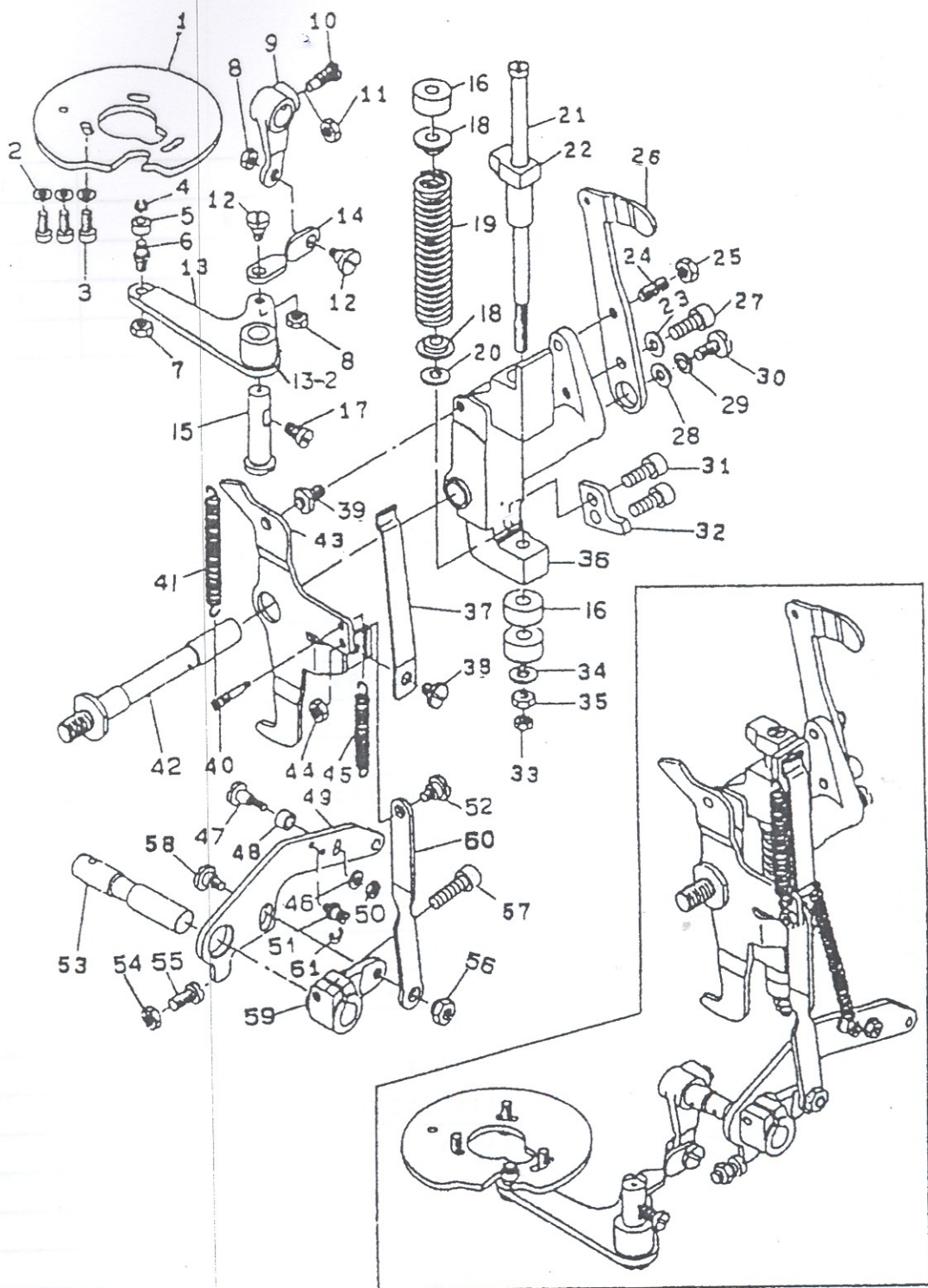
AL PRESSURE DECREASING UNIT COMPONENTS

EP.	NO.	DESCRIPTION	Q TY
8 - 0 1		PRESSURE DECREASING DEVICE	
8 - 0 2		PRESSURE DECREASING LEVER	2
8 - 0 3 F		STUD	2
8 - 0 4		LEVER LATCH A	
8 - 0 5 F		SCREW 11/64-40	2
8 - 0 6 F		SCREW 11/64-40	2
8 - 0 7 F		HINGE SCREW	2
8 - 0 8		LEVER LATCH B	
8 - 0 9		SPRING	
8 - 1 0		PRESSURE DECREASING LEVER LINK	
8 - 1 1 F		THREAD CUTTING LINK SPRING RAC	2
8 - 1 2 F		SCREW 15/64-28	
8 - 1 3		SUSPENSION PIN	
8 - 1 4		AUXILIARY CAM	
8 - 1 5 F		HINGE SCREW	
8 - 1 6 F		SCREW 11/64-40	
8 - 1 7		SPRING	
8 - 1 8 F		SCREW 15/64-28	2
8 - 1 9		PRESSURE DECREASING SHAFT ASM.	
8 - 2 0		PIN 3"16	
8 - 2 1		SNAP RING 18.5	
8 - 2 2		ROTATION PREVENTING LATCH ASM.	
8 - 2 3		SPRING	
8 - 2 4 F		HINGE SCREW	
8 - 2 5 F		SCREW 11/64-40	
8 - 2 6		PRESSURE DECREASING UNIT FRAME	
8 - 2 7		BEARING	
8 - 2 8 F		SCREW 3/16-28	
8 - 2 9		COLLAR A	
8 - 3 0		COLLAR B	



EDAL PRESSURE DECREASING UNIT COMPONENTS

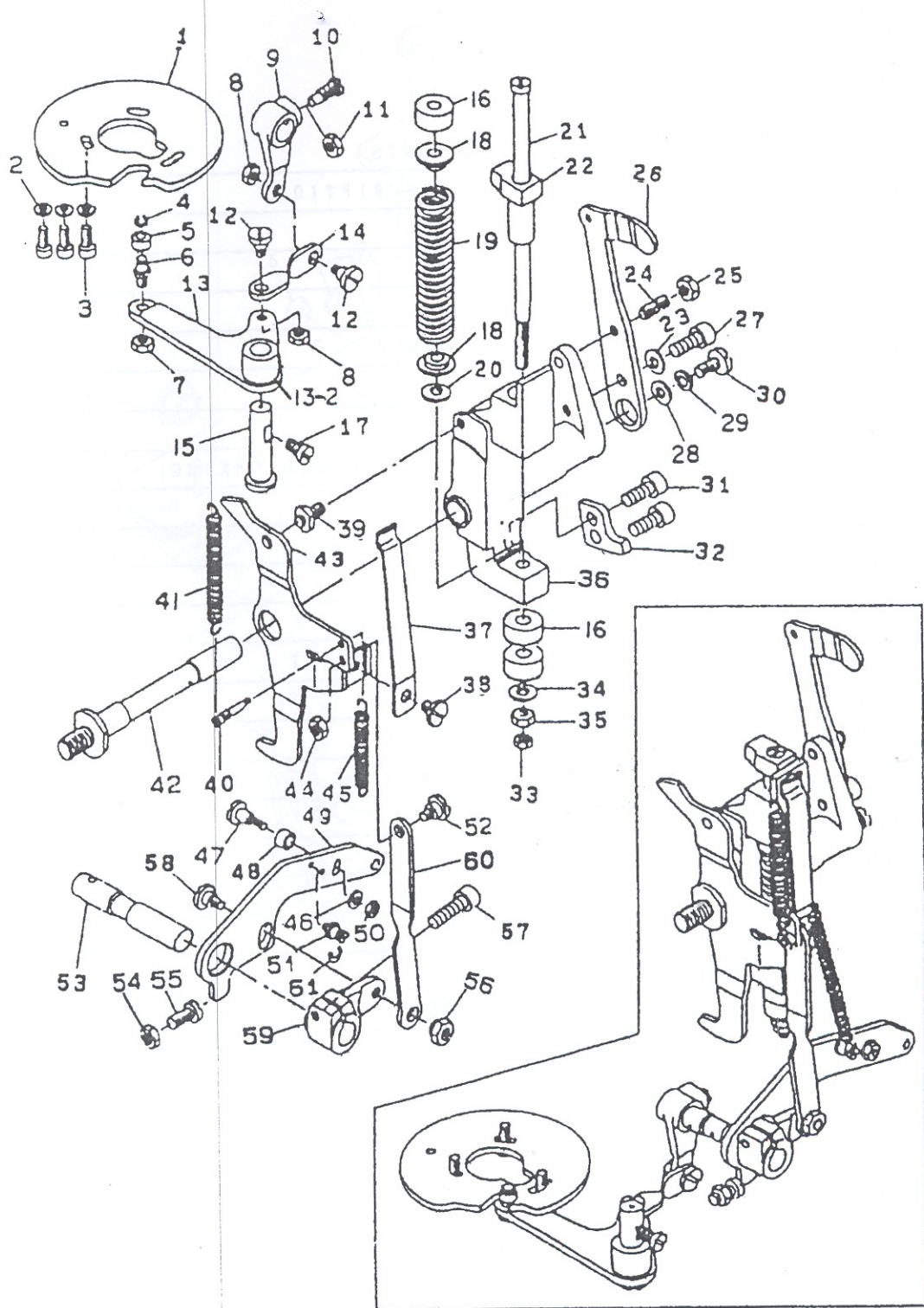
REF.	NO.	DESCRIPTION	QTY
E 8 - 3 1		OUTER SLEEVE GUIDE	
E 8 - 3 2		DECREASING CLUTCH ASM.	
E 8 - 3 3		CLUTCH SPRING	
E 8 - 3 4		SHAFT	
E 8 - 3 5		BEARING	
E 8 - 3 6		INNER SLEEVE	2
E 8 - 3 7		OUTER SLEEVE	
E 8 - 3 7 - 2		PIN	
E 8 - 3 7 - 3		PIN	
E 8 - 3 8		IDLER PULLEY INSTALLING PLATE	
E 8 - 3 9 F		SCREW 11-64-40	3
E 8 - 4 0 F		SCREW	
E 8 - 4 1 F		SCREW 15/64-28	2
E 8 - 4 2		DRIVING PULLEY	
E 8 - 4 3 F		SCREW 15/64-28	
E 8 - 4 4 F		SCREW	
E 8 - 4 5		PIN	
E 8 - 4 6 F		SCREW 15/64-28	3
E 8 - 4 7		WASHER 6.2*13*1	3
E 8 - 4 8		-----	
E 8 - 4 9		IDLER PULLEY BRACKET	
E 8 - 5 0		WASHER 6.2*13*1	
E 8 - 5 1 F		SCREW 15/64-28	
E 8 - 5 2 H		NUT 15/64-28	
E 8 - 5 3		WASHER 6.1*18.5*2	
E 8 - 5 4		TENSION RING	
E 8 - 5 5		BEARING	
E 8 - 5 5 - 1		IDLER PULLEY ASM.	
E 8 - 5 6 F		HINGE SCREW	



E9

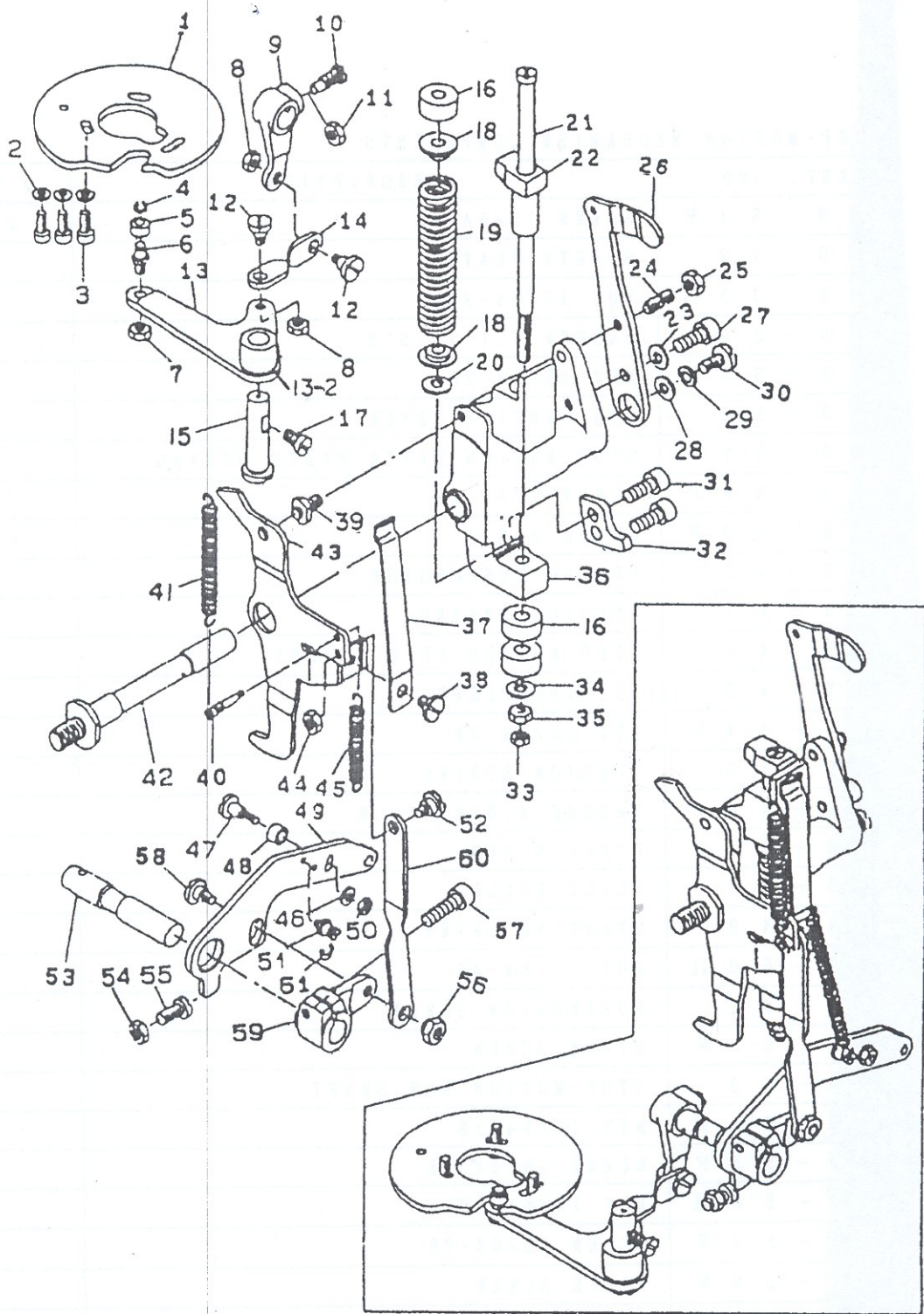
STOP-MOTION MECHANISM COMPONENTS

REF.	NO.	DESCRIPTION	QTY
9 - 0 1		STOP-MOTION REGULATING CAM	
9 - 0 2		WASHER 4.8*8.4*0.8	3
9 - 0 3 F		SCREW 3/16-28	3
9 - 0 4		RETAINING RING 4.7	
9 - 0 5		COLLAR	
9 - 0 6 F		ROLLER SHAFT	
9 - 0 7 H		NUT 15/64-28	
9 - 0 8 H		NUT 15/64-28	2
9 - 0 9		STOP-MOTION ARM B	
9 - 1 0 F		SCREW 9/32-28	
9 - 1 1 H		NUT 9/32-28	
9 - 1 2 F		HINGE SCREW	2
9 - 1 3		REGULATING LEVER ASM.	
9 - 1 3 - 2		ROLLER	
9 - 1 4		STOP-MOTION LINK	
9 - 1 5		REGULATING LEVER ASM.	
9 - 1 6		RUBBER CUSHION	3
9 - 1 7 F		SCREW 15/64-28	
9 - 1 8		WASHER	2
9 - 1 9		PRESSURE SPRING	
9 - 2 0		WASHER 7.5*19*1.5	
9 - 2 1		STOP LINK ROD	
9 - 2 2		STOP-MOTION HOOK	
9 - 2 3		WASHER 6.1*15.2*2.5	
9 - 2 4 F		SCREW 15/64-28	
9 - 2 5 H		NUT 15/64-28	
9 - 2 6		GREASE BOX	
9 - 2 7 F		SCREW 15/64-28	
9 - 2 8		WASHER 6.1*18.5*2	
9 - 2 9		SPRING WASHER 6.4*11.9*1.5	
9 - 3 0 F		SCREW 15/64-28	



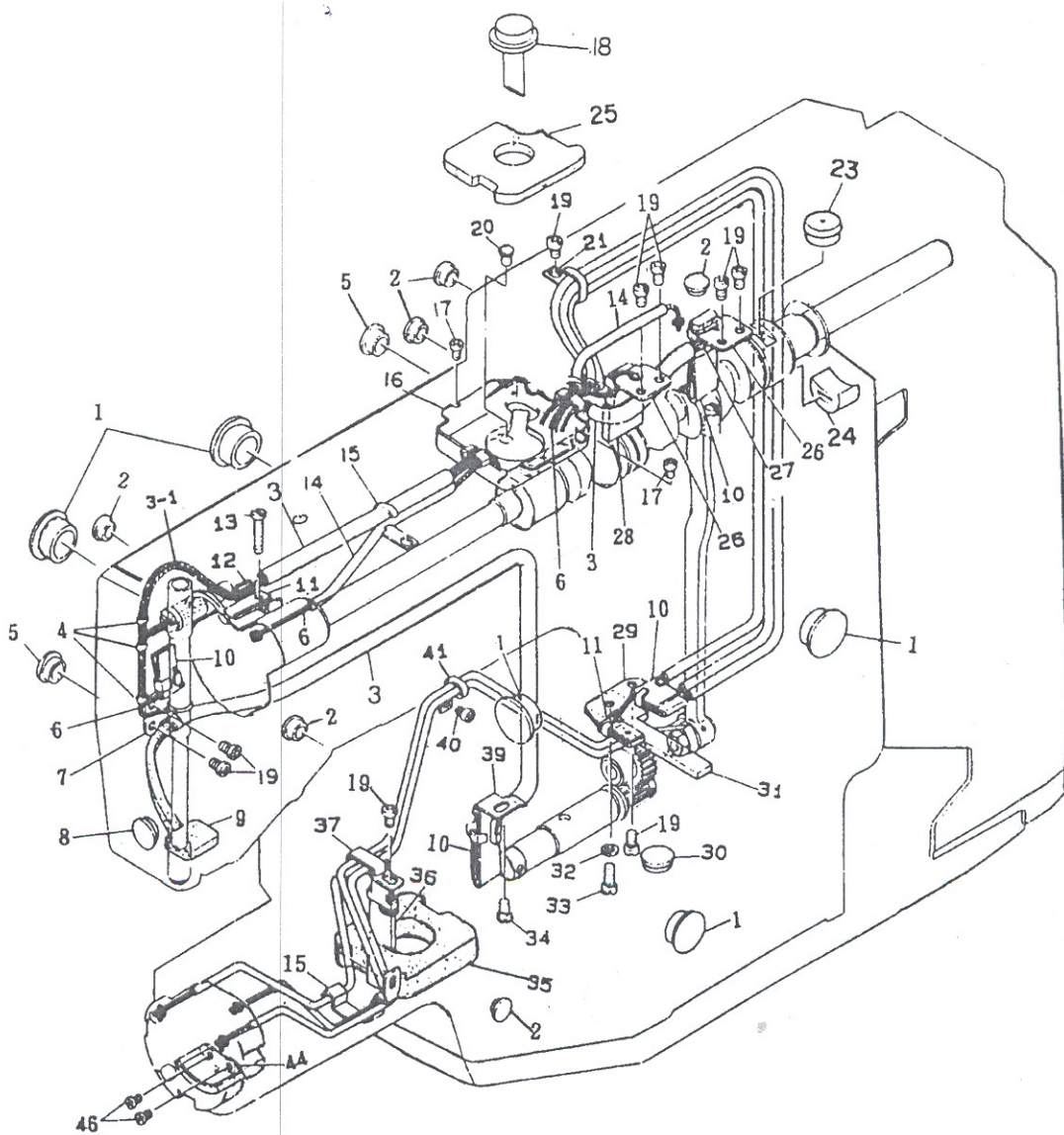
STOP-MOTION MECHANISM COMPONENTS

REF.	NO.	DESCRIPTION	QTY
9 - 0	1	STOP-MOTION REGULATING CAM	
9 - 0	2	WASHER 4.8*8.4*0.8	3
9 - 0	3 F	SCREW 3/16-28	3
9 - 0	4	RETAINING RING 4.7	
9 - 0	5	COLLAR	
9 - 0	6 F	ROLLER SHAFT	
9 - 0	7 H	NUT 15/64-28	
9 - 0	8 H	NUT 15/64-28	2
9 - 0	9	STOP-MOTION ARM B	
9 - 1	0 F	SCREW 9/32-28	
9 - 1	1 H	NUT 9/32-28	
9 - 1	2 F	HINGE SCREW	2
9 - 1	3	REGULATING LEVER ASM.	
9 - 1	3 - 2	ROLLER	
9 - 1	4	STOP-MOTION LINK	
9 - 1	5	REGULATING LEVER ASM.	
9 - 1	6	RUBBER CUSHION	3
9 - 1	7 F	SCREW 15/64-28	
9 - 1	8	WASHER	2
9 - 1	9	PRESSURE SPRING	
9 - 2	0	WASHER 7.5*19*1.5	
9 - 2	1	STOP LINK ROD	
9 - 2	2	STOP-MOTION HOOK	
9 - 2	3	WASHER 6.1*15.2*2.5	
9 - 2	4 F	SCREW 15/64-28	
9 - 2	5 H	NUT 15/64-28	
9 - 2	6	GREASE BOX	
9 - 2	7 F	SCREW 15/64-28	
9 - 2	8	WASHER 6.1*18.5*2	
9 - 2	9	SPRING WASHER 6.4*11.9*1.5	
9 - 3	0 F	SCREW 15/64-28	



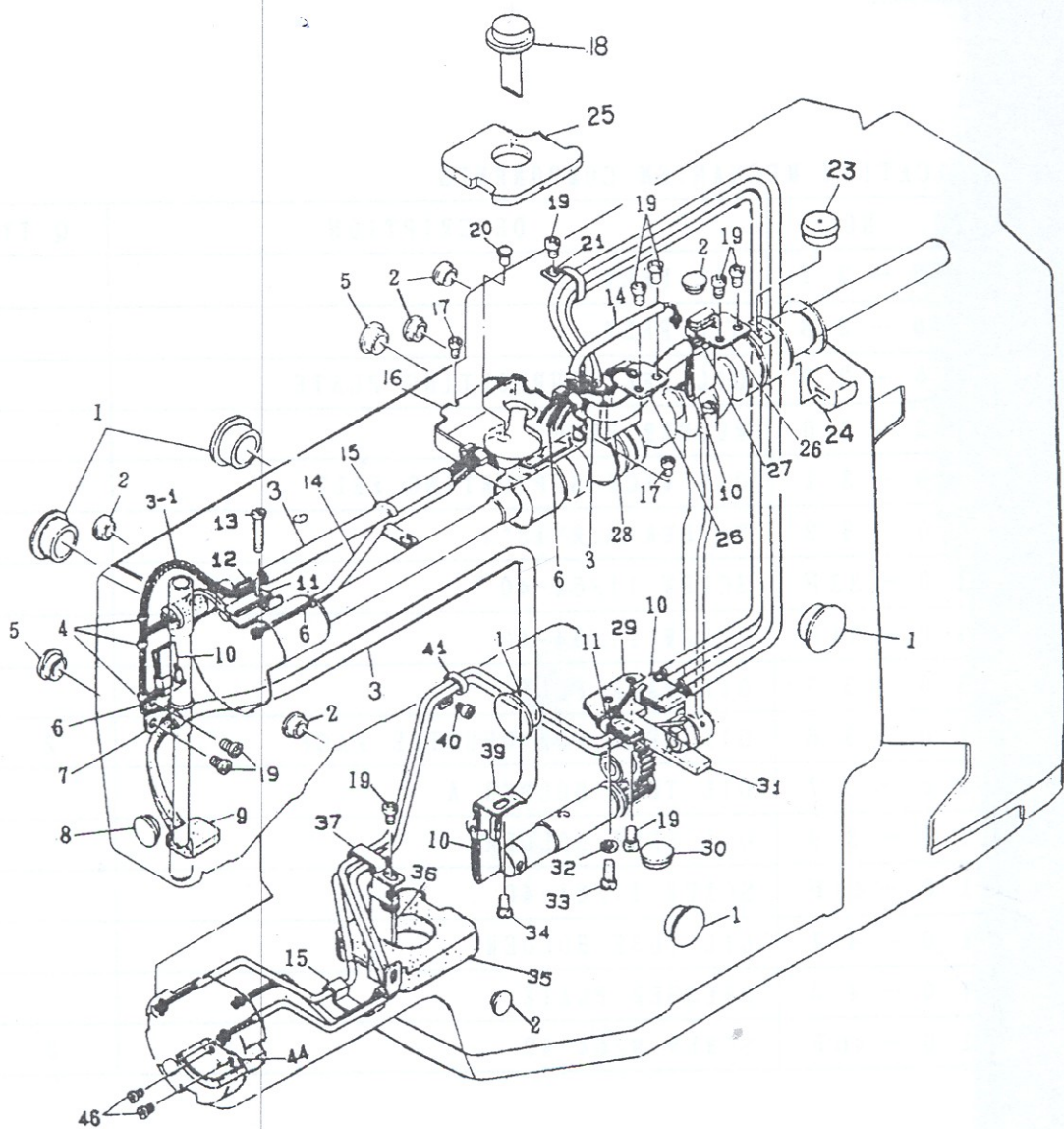
STOP-MOTION MECHANISM COMPONENTS

REF.	NO.	DESCRIPTION	QTY
9 - 3	1 F	SCREW 15/64-28	2
9 - 3	2	SAFETY PLATE	
9 - 3	3 H	NUT 15/64-28	
9 - 3	4	WASHER 6.1*18.5*2	
9 - 3	5 H	NUT 15/64-28	
9 - 3	6	STOP-MOTION LEVER	
9 - 3	7	STOP-MOTION LEVER PLATE SPRING	
9 - 3	8 F	SCREW 9/32-28	
9 - 3	9 F	GUIDE PIN	
9 - 4	0	SPRING SUSPENSION	
9 - 4	1	TENSION SPRING	
9 - 4	2	STOP-MOTION LEVER SHAFT	
9 - 4	3	DRIVING PLATE	
9 - 4	4 H	NUT 15/64-28	
9 - 4	5	TENSION SPRING	
9 - 4	6	WASHER 4.8*8.4*0.8	
9 - 4	7 F	HINGE SCREW	
9 - 4	8	SLIDE ROLLER	
9 - 4	9	STARTING LEVER	
9 - 5	0 H	NUT 11/64-40	
9 - 5	1	SUSPENSION SCREW	
9 - 5	2 F	HINGE SCREW	
9 - 5	3	STOP-MOTION ARM SHAFT	
9 - 5	4 H	NUT 15/64-28	
9 - 5	5 F	SCREW 15/64-28	
9 - 5	6 H	NUT 15/64-28	
9 - 5	7 F	SCREW 15/64-28	
9 - 5	8 F	HINGE SCREW	
9 - 5	9	STOP-MOTION ARM A ASM.	
9 - 6	0	STOP-MOTION CONNECTING LEVER	
9 - 6	1	E-RING 4	



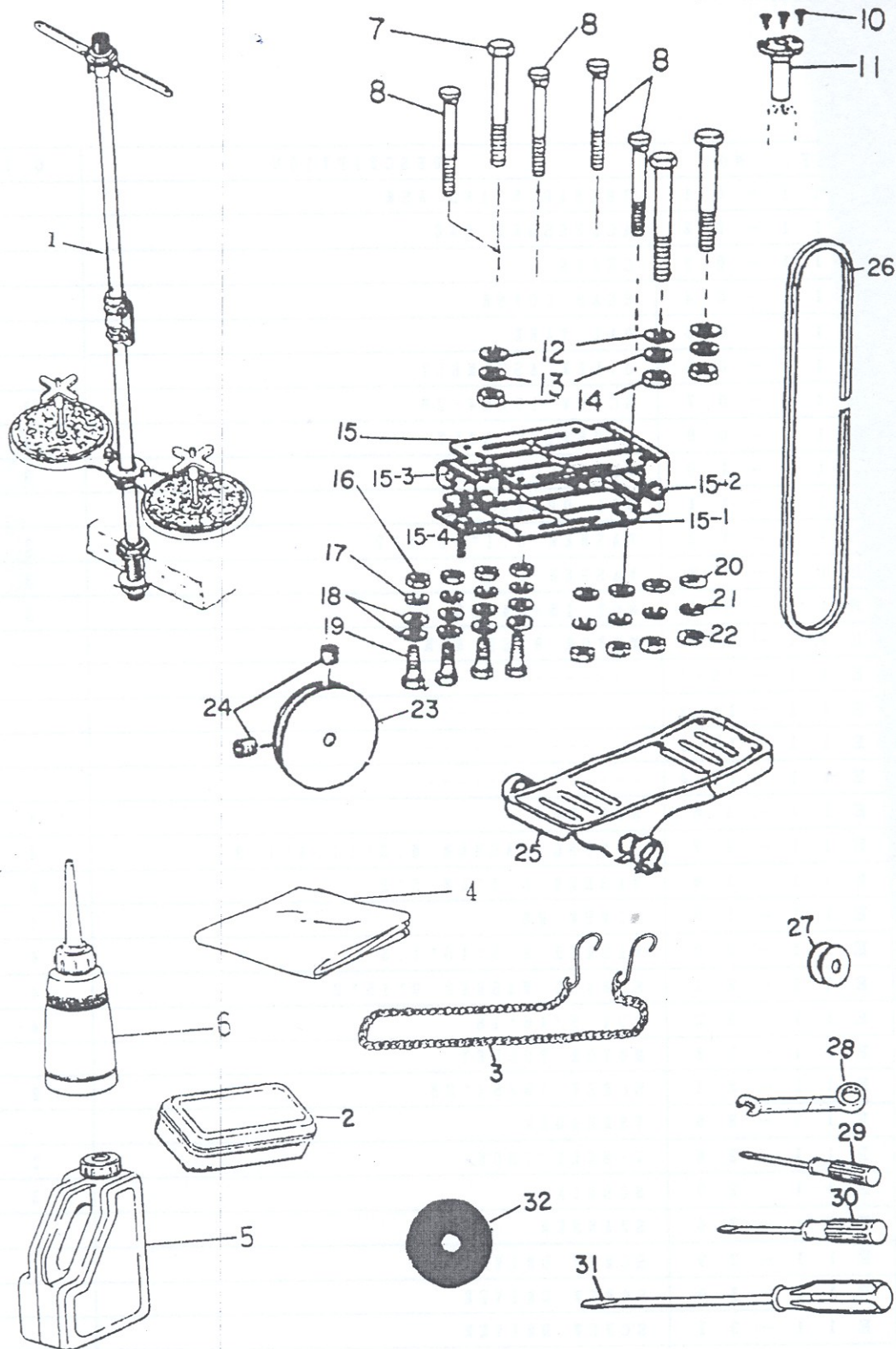
IRICATION MECHANISM COMPONENTS

SP. NO.	DESCRIPTION	QTY
1 0 - 0 1	RUBBER PLUG	5
1 0 - 0 2	RUBBER PLUG	6
1 0 - 0 3	VINYL TUBE, WHITE D=6	
1 0 - 3 -1	OIL TANK FELT	
1 0 - 0 4	OIL WICK HOLDER	3
1 0 - 0 5	RUBBER PLUG	2
1 0 - 0 6	OIL WICK	
1 0 - 0 7	OIL WICK HOLDER	
1 0 - 0 8	RUBBER PLUG	
1 0 - 0 9	OIL FELT	
1 0 - 1 0	OIL SPONGE	4
1 0 - 1 1	OIL SPONGE	2
1 0 - 1 2	LUBRICATING PLATE	
1 0 - 13F	SCREW 9/64-40	
1 0 - 1 4	VINYL TUBE, WHITE D=3	
1 0 - 1 5	OIL WICK HOLDER	2
1 0 - 1 6	OIL TANK	
1 0 - 17F	SCREW 9/64-40	
1 0 - 1 8	OIL GAUGE	
1 0 - 19F	SCREW 11/64-40	11
1 0 - 2 0	RUBBER PLUG	
1 0 - 2 1	OIL WICK HOLDER	
1 0 - 2 3	GREASE CAP	
1 0 - 2 4	BUSHING	
1 0 - 2 5	OIL TANK FELT	
1 0 - 2 6	OIL FELT INSTALLING PLATE	2



LOCATION MECHANISM COMPONENTS

NO.	DESCRIPTION	QTY
0 - 2 7	OIL FELT	
0 - 2 8	OIL FELT	
0 - 2 9	OIL FELT SUPPORTING PLATE	
0 - 3 0	RUBBER PLUG	
0 - 3 1	OIL WICK SUPPORTING FELT	
0 - 3 2	WASHER 6.2*13*1	
1 0 - 33 F	SCREW 11/64-40	
1 0 - 34 F	SCREW 11/64-40	
1 0 - 3 5	OIL TANK FELT	
1 0 - 3 6	OIL FELT, FOR SHUTTLE RACF	2
1 0 - 3 7	OIL TUBE HOLDER A	
1 0 - 3 9	OIL FELT HOLDER	
1 0 - 40 F	SCREW 11/64-40	
1 0 - 4 1	OIL TUBE HOLDER	
1 0 - 4 4	PRESSER PLATE	
1 0 - 46 F	SCREW 9/64-40	2



E11

EF.	NO.	DESCRIPTION	QTY
1 1 - 0 1		THREAD STAND ASM.	
1 1 - 0 2		ACCESSORY BAG	
1 1 - 0 3		CHAIN	
1 1 - 0 4		HEAD COVER	
1 1 - 0 5		OIL TANK	
1 1 - 0 6		OILER ASSEMBLY	
E 1 1 - 0 7		SCREW 15/64-28	3
E 1 1 - 0 8		MOUNTING BOLT	4
E 1 1 - 1 0		WOOD SCREW	3
E 1 1 - 1 1		OIL DRAIN	
E 1 1 - 1 2		WASHER 6.1*18.5*2	3
E 1 1 - 1 3		WASHER 6.2*13*1	3
E 1 1 - 1 4		NUT 15/64-28	3
E 1 1 - 1 5		MOTOR BASE ASM.	
E 1 1 - 15-1		-----	
E 1 1 - 15-2		-----	
E 1 1 - 15-3		-----	
E 1 1 - 15-4		-----	
E 1 1 - 1 6		NUT M6	4
E 1 1 - 1 7		SPRING WASHER 6.2*11.4*1.2	4
E 1 1 - 1 8		WASHER 6.1*18.5*2	8
E 1 1 - 1 9		SCREW M6	4
E 1 1 - 2 0		WASHER 8.5*18*1.6	4
E 1 1 - 2 1		SPRING WASHER 9*15*2	4
E 1 1 - 2 2		NUT 5/16*18	4
E 1 1 - 2 3		MOTOR PULLEY	
E 1 1 - 2 4		SCREW 15/64*28	2
E 1 1 - 2 5		THREADLE	
E 1 1 - 2 6		V-BELT, INCH	2
E 1 1 - 2 7		BOBBIN	3
E 1 1 - 2 8		SPANNER	
E 1 1 - 2 9		SCREW DRIVER	
E 1 1 - 3 0		SCREW DRIVER	
E 1 1 - 3 1		SCREW DRIVER	
E 1 1 - 3 2		RUBBER WASHER	

