

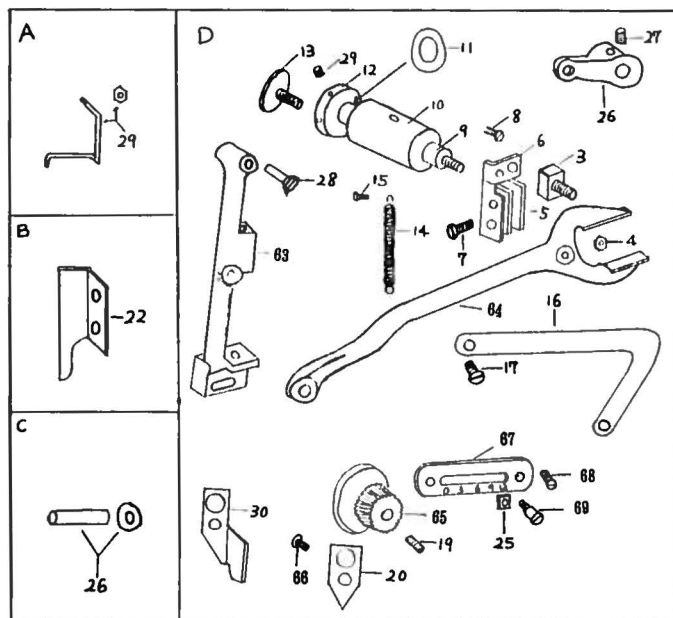
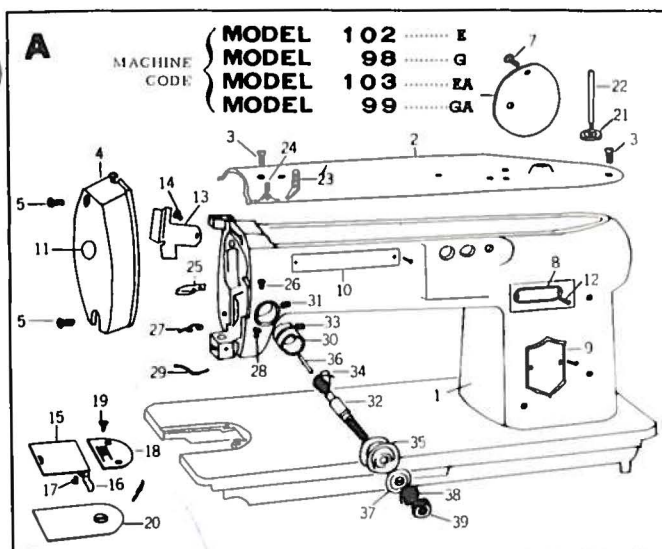


Fig.No.	DESCRIPTION	QTY.	MACHINE
A-1	Arm bed complete	1	E-O
A-2	Arm top cover	1	E-O
A-3	Arm top cover screw	2	E-O
A-4	Face plate	1	E-O
A-5	Face plate screw	2	E-O
A-6	Arm side cover	1	E-O
A-7	Arm side cover screw	1	E-O
A-8	Model plate	1	E-O
A-9	Mark plate (arm)	1	E-O
A-10	Name plate	1	E-O
A-11	Mark plate (face plate)	1	E-O
A-12	Plate position pin	6	E-O
A-13	Arm side cap	1	E-O
A-14	Arm side cap set screw	1	E-O
A-15	Bed slide	1	G
A-16	Bed slide spring	1	G
A-17	Bed slide spring screw	2	G
A-18	Throat plate (Zigzag)	1	G
A-19	Throat plate screw	2	G
A-20	Throat plate	1	E
A-21	Arm spool pin holder base	1	E
A-22	Arm spool pin	1	E
A-23	Thread retainer	1	E-O
A-24	Thread retainer set screw	1	E-O
A-25	Arm thread guide (upper)	1	E-O
A-26	Arm thread guide (upper) set screw	1	E-O
A-27	Arm thread guard (lower middle)	2	E-O
A-28	Arm thread guard (lower middle) set screw	2	E-O
A-29	Thread guard (upper)	1	G
A-30	Thread take-up spring regulator	1	E-O
A-31	Thread take-up spring regulator set screw	1	E-O
A-32	Tension stud	1	E-O
A-33	Tension stud set screw	1	E-O
A-34	Thread take-up spring	1	E-O
A-35	Tension disc	2	E-O
A-36	Tension releasing pin	1	G
A-37	Tension releasing disc	1	G
A-38	Tension spring	1	E-O
A-39	Tension regulating thumb nut	1	E-O

Fig.No.	DESCRIPTION	QTY.	MACHINE
A-29	Thread guard	1	EA-GA
B-22	Needle bar connecting link hole	1	EA-GA
C-6	Presser bar lifter shaft	1	GA
C-6	Presser bar lifter shaft washer	1	GA
D-65	Needle bar frame	1	EA-GA
D-64	Needle bar frame pitman	1	EA-GA
D-3	Slide block	1	EA-GA
D-4	Slide block nut	1	EA-GA
D-5	Needle vibrator box	1	EA-GA
D-6	Needle vibrator crank link bar	1	EA-GA
D-7	Needle vibrator crank link bar set screw	2	EA-GA
D-8	Needle vibrator spring set screw	1	EA-GA
D-9	Needle vibrator shaft	1	EA-GA
D-10	Needle vibrator bushing	1	EA-GA
D-11	Spring washer	1	EA-GA
D-12	Needle vibr. or shaft collar	1	EA-GA
D-13	Needle vibrator shaft collar cap screw	1	EA-GA
D-14	Needle bar frame pitman spring	1	EA-GA
D-15	Needle bar frame pitman spring set screw	1	EA-GA
D-16	Needle vibrator crank link	1	EA-GA
D-17	Needle vibrator crank link set screw	2	EA-GA
D-65	Needle vibrator knob	1	EA-GA
D-19	Needle vibrator knob set screw	1	EA-GA
D-20	Needle vibrator stop index finger	1	EA-GA
D-66	Needle vibrator stop index finger set screw	1	EA-GA
D-67	Needle vibrator stop segment	1	EA-GA
D-68	Needle vibrator stop segment set screw	2	EA-GA
D-69	Needle vibrator stop	2	EA-GA
D-25	Needle vibrator stop set screw	2	EA-GA
D-26	Needle vibrator operating crank	1	EA-GA
D-27	Needle vibrator operating crank set screw	1	EA-GA
D-28	Needle bar	1	EA-GA
D-29	Needle vibrator shaft collar set screw	2	EA-GA
D-30	Needle vibrator stop index finger	1	GA

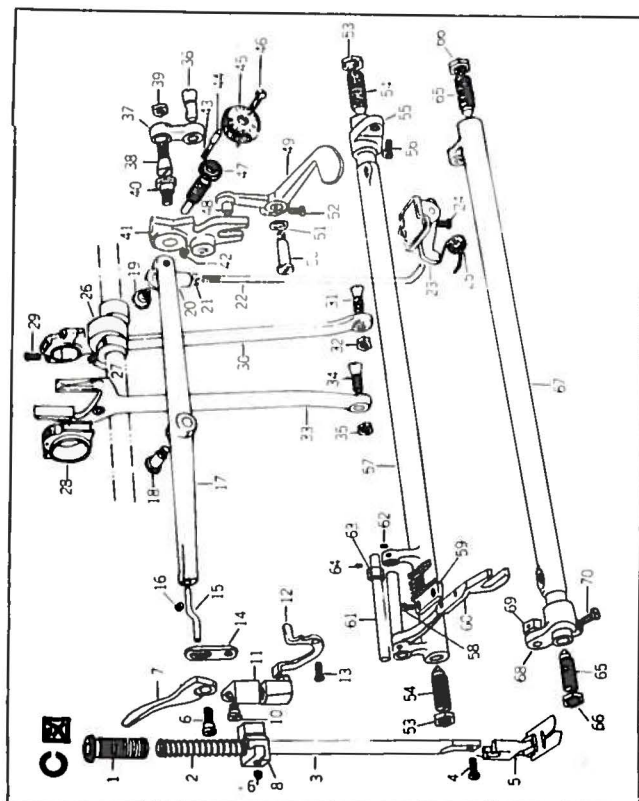
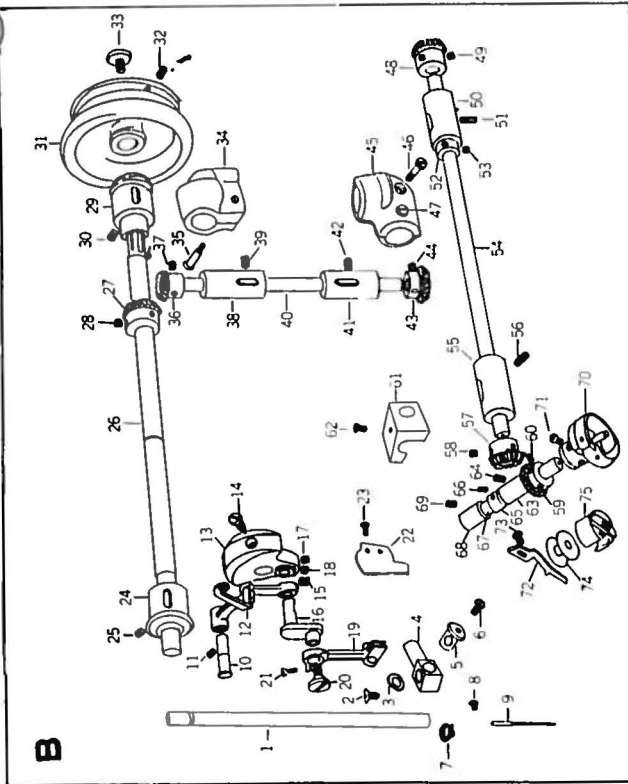


Fig No	DESCRIPTION	QTY	MACHINE
C-27	Feed and feed lifting eccentric set screw	2	GA
C-28	Feed and feed lifting eccentric sleeve	1	GA
C-29	Feed lifting rock shaft connecting rod lid set screw	2	GA
C-30	Feed lifting rock shaft connecting rod	1	GA
C-31	Feed lifting rock shaft connecting rod hinge screw	1	GA
C-32	Feed lifting rock shaft connecting rod hinge screw nut	1	GA
C-33	Feed forked connection	1	GA
C-34	Feed forked connection hinge screw	1	GA
C-35	Feed forked connection hinge screw nut	1	GA
C-36	Feed connecting link hinge stud	1	GA
C-37	Feed connecting link	1	GA
C-38	Feed connecting link lower hinge screw	1	GA
C-39	Feed connecting link lower hinge screw nut	1	GA
C-40	Feed regulator hinge screw	1	GA
C-41	Feed regulator (forked)	1	GA
C-42	Feed connecting link hinge stud set screw	1	GA
C-43	Feed regulating stud lock pin spring	1	GA
C-44	Feed regulating stud lock pin	1	GA
C-45	Feed regulating stud head	1	GA
C-46	Feed regulating stud head cap screw	1	GA
C-47	Feed regulating stud	1	GA
C-48	Feed reverse lever roller (stud)	1	GA
C-49	Feed reverse lever	1	GA
C-50	Feed reverse lever hinge screw	1	GA
C-51	Feed reverse lever hinge screw shaft washer	1	GA
C-52	Feed reverse lever clamping screw	1	GA
C-53	Feed rock shaft screw center nut	2	GA
C-54	Feed rock shaft screw center	2	GA
C-55	Feed rock shaft crank	1	GA
C-56	Feed rock shaft crank clamping screw	1	GA
C-57	Feed rock shaft	1	GA
C-58	Feed dog screw	2	GA
C-59	Feed dog	1	GA
C-60	Feed bar	1	GA
C-61	Feed bar shaft	1	GA
C-62	Feed bar shaft set screw	1	GA
C-63	Feed bar shaft collar	1	GA
C-64	Feed bar shaft collar set screw	1	GA
C-65	Feed lifting rock shaft screw center	2	GA
C-66	Feed lifting rock shaft screw center nut	2	GA
C-67	Feed lifting rock shaft	1	GA
C-68	Feed lifting rock shaft crank	1	GA
C-69	Feed lifting rock shaft roller	1	GA
C-70	Feed lifting rock shaft crank clamping screw	1	GA

Fig No	DESCRIPTION	QTY	MACHINE
C-1	Presser regulating thumb screw	1	GA
C-2	Presser bar spring	1	GA
C-3	Presser bar	1	GA
C-4	Presser foot thumb screw	1	GA
C-5	Presser foot	1	GA
C-6	Presser bar lifter screw	1	GA
C-7	Presser bar lifter	1	GA
C-8	Presser bar guide bracket	1	GA
C-9	Presser bar guide bracket set screw	1	GA
C-10	Lifting lever link set screw	1	GA
C-11	Presser bar lifting and releasing lever bracket	1	GA
C-12	Tension releasing lever	1	GA
C-13	Tension releasing lever set screw	1	GA
C-14	Lifting lever link	1	GA
C-15	Knee lifter lifting lever pin	1	GA
C-16	Knee lifter lifting lever pin set screw	1	GA
C-17	Knee lifter lifting lever	1	GA
C-18	Knee lifter lifting lever hinge screw	1	GA
C-19	Knee lifter lifting lever connecting rod joint hinge screw	1	GA
C-20	Knee lifter lifting lever connecting rod joint	1	GA
C-21	Knee lifter lifting lever connecting rod lock nut	1	GA
C-22	Knee lifter lifting lever connecting rod	1	GA
C-23	Knee lifter bell crank	1	GA
C-24	Knee lifter bell crank bracket screw	2	GA
C-25	Knee lifter bell crank spring	1	GA
C-26	Feed and feed lifting eccentric (when sleeve is used)	1	GA



FigNo.	DESCRIPTION	QTY.	MACHINE
B-27	Arm shaft(horizontal) bevel gear	1	E-G EA-GA
B-28	Arm shaft(horizontal) bevel gear set screw	2	E-G EA-GA
B-29	Arm shaft(horizontal) bushing set (right)	1	E-G EA-GA
B-30	Arm shaft(horizontal) bushing set screw	1	E-G EA-GA
B-31	Balance wheel	1	E-G EA-GA
B-32	Balance wheel set screw	2	E-G EA-GA
B-33	Arm shaft(horizontal) screw	1	E-G EA-GA
B-34	Arm shaft(horizontal) bevel gear case	1	E-G EA-GA
B-35	Arm shaft(horizontal) bevel gear case screw	1	E-G EA-GA
B-36	Arm shaft(upright) bevel gear (upper)	1	E-G EA-GA
B-37	Arm shaft(upright) bevel gear (upper) set screw	2	E-G EA-GA
B-38	Arm shaft(upright) bushing (upper)	1	E-G EA-GA
B-39	Arm shaft(upright) bushing (upper) set screw	1	E-G EA-GA
B-40	Arm shaft(upright)	1	E-G EA-GA
B-41	Arm shaft(upright) bushing (lower)	1	E-G EA-GA
B-42	Arm shaft(upright) bushing (lower) set screw	1	E-G EA-GA
B-43	Arm shaft(upright) bevel gear (lower)	1	E-G EA-GA
B-44	Arm shaft(upright) bevel gear (lower) set screw	2	E-G EA-GA
B-45	Rotating hook shaft bevel gear case	1	E-G EA-GA
B-46	Rotating hook shaft bevel gear case screw	1	E-G EA-GA
B-47	Rotating hook shaft bevel gear case plug screw	1	E-G EA-GA
B-48	Rotating hook driving shaft bevel gear (right)	1	E-G EA-GA
B-49	Rotating hook driving gear shaft bevel gear set screw	2	E-G EA-GA
B-50	Rotating hook driving gear shaft bushing (right)	1	E-G EA-GA
B-51	Rotating hook driving shaft bushing (right) set screw	1	E-G EA-GA
B-52	Rotating hook driving gear shaft collar	1	E-G EA-GA
B-53	Rotating hook driving gear shaft collar set screw	1	E-G EA-GA
B-54	Rotating hook driving gear shaft	1	E-G EA-GA
B-55	Rotating hook driving gear shaft bushing (left)	1	E-G EA-GA
B-56	Rotating hook driving gear shaft bushing set screw	2	E-G EA-GA
B-57	Rotating hook driving shaft bevel gear (left)	1	E-G EA-GA
B-58	Rotating hook driving gear shaft bevel gear set screw	2	E-G EA-GA
B-59	Rotating hook shaft gear	1	E-G EA-GA
B-60	Rotating hook shaft gear set screw	3	E-G EA-GA
B-61	Rotating hook shaft gear case	1	E-G EA-GA
B-62	Rotating hook shaft gear case set screw	1	E-G EA-GA
B-63	Rotating hook shaft bushing (front)	1	E-G EA-GA
B-64	Rotating hook shaft bushing (front) set screw	1	E-G EA-GA
B-65	Rotating hook shaft bushing collar	1	E-G EA-GA
B-66	Rotating hook shaft bushing collar set screw	2	E-G EA-GA
B-67	Rotating hook shaft	1	E-G EA-GA
B-68	Rotating hook shaft bushing (back)	1	E-G EA-GA
B-69	Rotating hook shaft bushing (back) set screw	1	E-G EA-GA
B-70	Rotating hook complete	1	E-G EA-GA
B-71	Rotating hook set screw	3	E-G EA-GA
B-72	Rotating hook bobbin case holder position bracket	1	E-G EA-GA
B-73	Rotating hook bobbin case holder position bracket screw	1	E-G EA-GA
B-74	Rotating hook bobbin	1	E-G EA-GA
B-75	Rotating hook bobbin case complete	1	E-G EA-GA

Fig.No.	DESCRIPTION	QTY.	MACHINE
B-1	Needle bar	1	E-G EA-GA
B-2	Needle bar connecting stud washer set screw	1	E-G EA-GA
B-3	Needle bar connecting stud washer	1	E-G EA-GA
B-4	Needle bar connecting stud	1	E-G EA-GA
B-5	Needle bar connecting stud swivel	1	E-G EA-GA
B-6	Needle bar set screw	1	E-G EA-GA
B-7	Needle bar thread guard	1	E-G EA-GA
B-8	Needle clamp screw	1	E-G EA-GA
B-9	Needle	1	E-G EA-GA
B-10	Thread take-up lever link hinge pin	1	E-G EA-GA
B-11	Thread take-up lever link hinge pin set screw	1	E-G EA-GA
B-12	Thread take-up lever	1	E-G EA-GA
B-13	Thread take-up crank	1	E-G EA-GA
B-14	Thread take-up crank position screw (large)	1	E-G EA-GA
B-15	Thread take-up crank position screw (small)	1	E-G EA-GA
B-16	Needle bar crank	1	E-G EA-GA
B-17	Needle bar crank position screw (large)	1	E-G EA-GA
B-18	Needle bar crank position screw (small)	1	E-G EA-GA
B-19	Needle bar connecting link	1	E-G EA-GA
B-20	Needle bar connecting link screw	1	E-G EA-GA
B-21	Needle bar connecting link adjusting screw	1	E-G EA-GA
B-22	Needle bar connecting link holder	1	E-G EA-GA
B-23	Needle bar connecting link holder screw	2	E-G EA-GA
B-24	Arm shaft (horizontal) bushing (left)	1	E-G EA-GA
B-25	Arm shaft (horizontal) bushing (left) set screw	1	E-G EA-GA
B-26	Arm shaft (horizontal)	1	E-G EA-GA

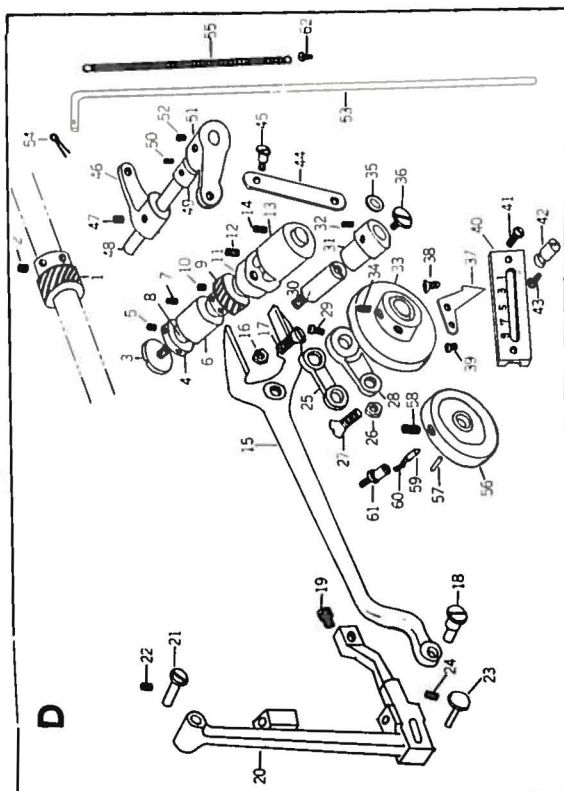


Fig.No	DESCRIPTION	QTY.	MACHINE
D-27	Needle vibrator crank link hinge screw(light)	1	E-G
D-28	Needle vibrator crank	1	E-G
D-29	Needle vibrator crank set screw	1	E-G
D-30	Needle vibrator crank shaft	1	E-G
D-31	Needle vibrator crank shaft bushing	1	E-G
D-32	Needle vibrator crank shaft bushing set screw	1	E-G
D-33	Needle vibrator dial(embroidery)	1	E
D-34	Needle vibrator dial(embroidery) set screw	2	E
D-35	Needle vibrator dial(embroidery) set screw washer	1	E
D-36	Needle vibrator dial cap screw	1	E
D-37	Needle vibrator stop index finger	1	E
D-38	Needle vibrator stop index finger set screw(large)	1	E
D-39	Needle vibrator stop index finger set screw(small)	1	E
D-40	Needle vibrator stop segment	1	E
D-41	Needle vibrator stop segment set screw	2	E
D-42	Needle vibrator stop	2	E
D-43	Needle vibrator stop set screw	2	E
D-44	Needle vibrator operating bell crank link	1	E
D-45	Needle vibrator operating bell crank link set screw	2	E
D-46	Needle vibrator operating bell crank(back)	1	E EA
D-47	Needle vibrator operating bell crank(back) set screw	2	E EA
D-48	Needle vibrator shaft	1	E EA-GA
D-49	Needle vibrator shaft collar	1	E GA
D-50	Needle vibrator shaft collar set screw	1	E GA
D-51	Needle vibrator operating bell crank(front)	1	E
D-52	Needle vibrator operating bell crank(front) set screw	2	E
D-53	Needle vibrator operating rod	1	E EA
D-54	Needle vibrator operating rod cotter pin	1	E EA
D-55	Needle vibrator spring	1	E EA
D-56	Zigzag dial	1	G
D-57	Zigzag dial restriction pin	2	G
D-58	Zigzag dial set screw	1	G
D-59	Needle vibrator regulating stud lock pin	1	G
D-60	Needle vibrator regulating stud lock pin spring	1	G
D-61	Needle vibrator regulating bracket	1	G
D-62	Needle vibrator spring set screw	1	E EA

Fig.No.	DESCRIPTION	QTY.	MACHINE
D-1	Needle vibrator pinion	1	E-G EA-GA
D-2	Needle vibrator pinion set screw	2	E-G EA-GA
D-3	Needle vibrator cam shaft collar cap screw	1	E-G
D-4	Needle vibrator cam shaft collar	1	E-G
D-5	Needle vibrator cam shaft collar set screw	2	E-G
D-6	Needle vibrator cam shaft bushing(back)	1	E-G
D-7	Needle vibrator cam shaft bushing(back) set screw	1	E-G
D-8	Needle vibrator cam shaft	1	E-G
D-9	Needle vibrator gear	1	E-G
D-10	Needle vibrator gear set screw	2	E-G
D-11	Needle vibrator cam	1	E-G
D-12	Needle vibrator cam set screw	1	E-G
D-13	Needle vibrator cam shaft bushing(front)	1	E-G
D-14	Needle vibrator cam shaft bushing(front) set screw	1	E-G
D-15	Needle bar frame pitman	1	E-G
D-16	Needle vibrator crank link hinge screw(light) nut	1	E-G
D-17	Needle vibrator crank link hinge screw(light)	1	E-G
D-18	Needle bar frame pitman eccentric stud	1	E-G EA-GA
D-19	Needle bar frame pitman eccentric stud set screw	1	E-G
D-20	Needle bar frame	1	E-G
D-21	Needle bar frame hinge stud	1	E-G EA-GA
D-22	Needle bar frame hinge stud set screw	1	E-G EA-GA
D-23	Needle bar frame guide stud	1	E-G EA-GA
D-24	Needle bar frame guide stud set screw	1	E-G EA-GA
D-25	Needle vibrator crank link	1	E-G
D-26	Needle vibrator crank link hinge screw(light) nut	1	E-G