

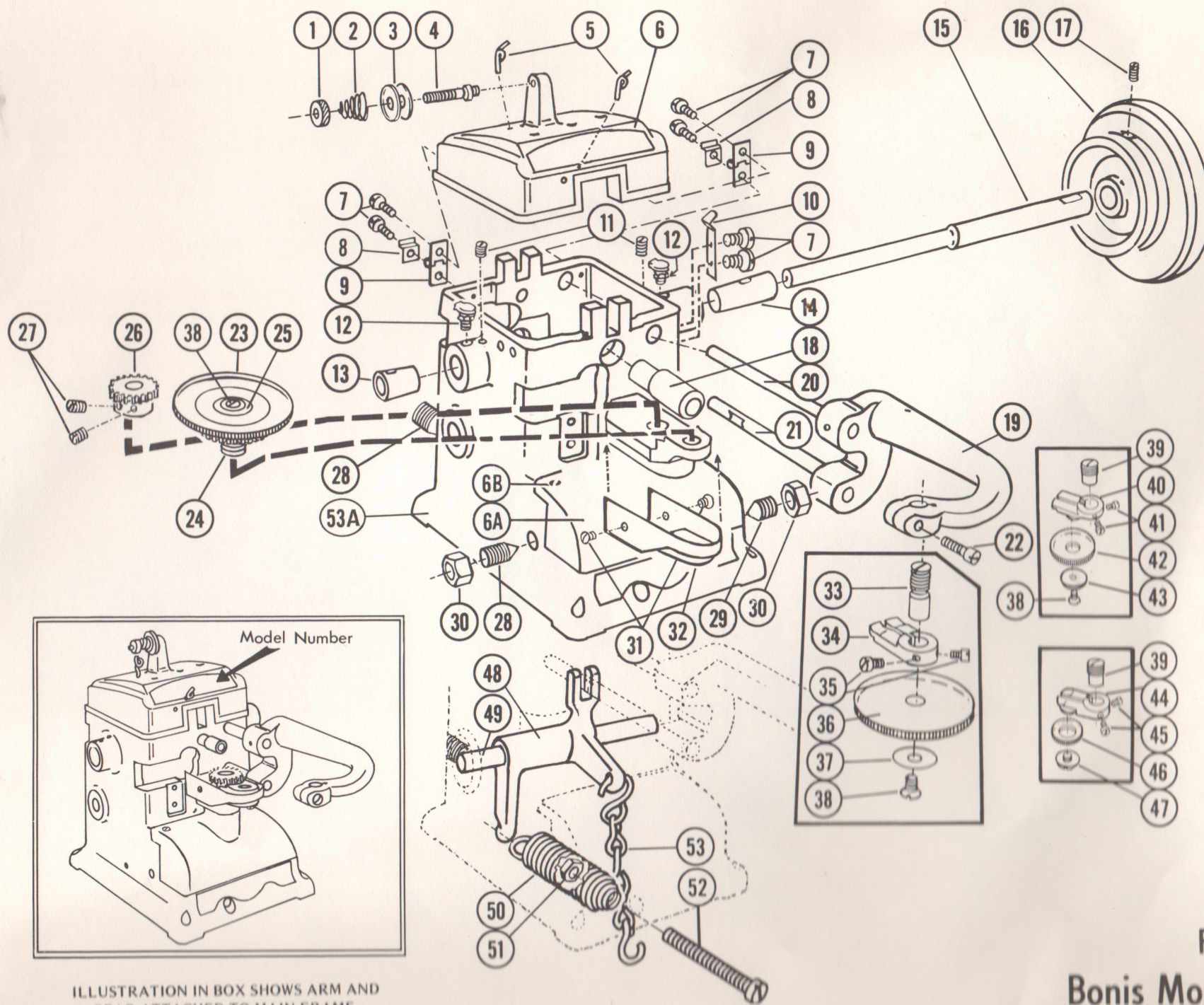


ILLUSTRATION IN BOX SHOWS ARM AND
GEAR ATTACHED TO MAIN FRAME

PARTS ASSEMBLY
Bonis Models: ST-55, ST

CAUTION: When ordering parts, kindly state serial number and Model of Machine.

All ST parts are alike except reference num

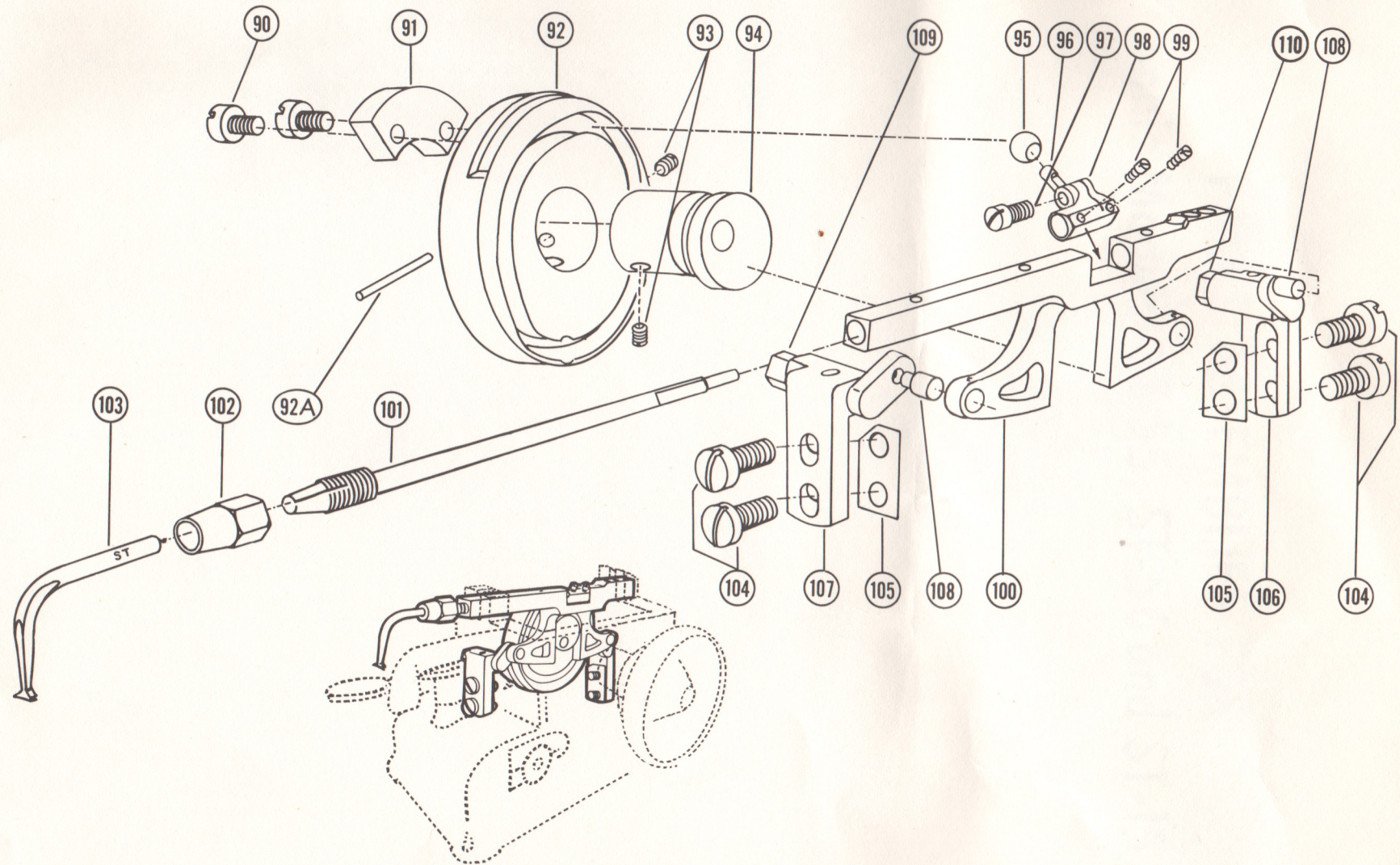
MAIN FRAME ASSEMBLY

Refer. No.	Part No.	Description	
1.	226.	Tension Nut	
2.	133.	Top Cover Tension Spring	
3(2)	129.	Tension Discs	
4.	213.	Tension Post	
5(2)	128.	Top Cover Thread Guide	
6.	703.	Top Cover	
6A	703.	Front Cover	
6B(2)	221.	Front Cover Screws	
7(6)	405.	Top Cover Hinge Screws	
8(2)	612.	Top Cover Hinge Stopper	
9(2)	611.	Top Cover Hinge	
10.	610.	Top Cover Lock Spring	
11(2)	248.	Main Shaft Set Screws	
12(2)	409.	Small Oil Cups	
13.	30-B-T.	Main Shaft Bushing, Short, Bronze	
14.	29-B-T.	Main Shaft Bushing, Long, Bronze	
15.	105-51	Main Shaft	
15.	105.	1/2" Diam. Main Shaft for Model ST-15	
16.	24.	Belt Wheel	
17.	203.	Belt Wheel Screw	
18.	117-B-ST.	Needle Bar Bearing	
18.	3-TC.	Also available in Saw Tooth (not illust.)	
19.	19-ST.	Feed Disc Arm Complete with Pins	} SOLD AS COMPLETE UNIT WITH PINS
20.	108-A.	Top Arm Pin	
21.	108.	Bottom Arm Pin	
22.	219-S.	Arm Pinch Screw	} #18-3-TC-NOT ILLUSTRATED ALSO AVAILABLE IN SAW TOOTH FOR ST-56
23.	18-3"-TC.	Rear Feed Disc	
24.	43-TC.	Rear Feed Disc Stud	
38.	426.	Rear Disc Stud Screw	
38.	426.	Disc Washer Screw	
25.	42-TC.	Rear Disc Stud Screw Washer	} 23 thru 25, plus 38 sold as complete unit—Rear Feed Disc Assembled #18-3-TC
26.	16-ST.	Feed Hub Gear	
27(2)	202.	Hub Gear Set Screws	
28(2)	201-L.	Pressure Lever Shaft Screw, Long	
29.	201-S.	Feed Shaft Screw, Short	
30(2)	224.	Feed Shaft Screw Nut	
31(2)	405.	Rear Wheel Guard Screw	
32.	46-ST.	Gear Guard	
33.	107-S.	Disc Stud	} #18-S
34.	121-S.	Needle Guard	
35(2)	639.	Needle Guard Screws	
36.	18-S.	Front Feed Disc	
37.	39-S.	Disc Washer	
38.	426.	Disc Washer Screw	} 33 thru 38 Sold as complete unit assembled #18-S
38.	426.	Disc Washer Screw	} #18-N-1 1/8"
39.	107-N.	Front Feed Disc Stud	
40.	121-N-1-1/8"	Needle Guard	
41(2)	639-N.	Needle Guard Screw	
42.	18-N-1-1/8"	Front Feed Disc	
43.	46-S.	Disc Stud Washer	} 36 thru 43 sold as complete unit assembled #18-N-1-1/8"
39.	107-N.	Front Feed Disc Stud	} #18-N-7/8"
44.	121-N-7/8"	Needle Guard	
45(2)	639-N.	Needle Guard Screws	
46.	18-N-7/8"	Front Feed Disc	
47.	46-S and 426.	Disc Stud Washer and Screw	
			} 39 thru 47 sold as complete unit assembled #18-N-7/8"
48.	21.	Pressure Lever	
49.	158.	Pressure Lever Shaft	
50.	157.	Pressure Lever Spring	
51.	250.	Pressure Lever Adjusting Screw Nut	
52.	259.	Pressure Lever Adjusting Screw	
53.	Chain.		
53-A	Main Frame ST		

*"C" after Part Number Denotes "COMPLETE"

the top cover...serial number is stamped on left rear corner of main frame. Model Number is stamped on metal label attached on top cover.

and 123, therefore specify model

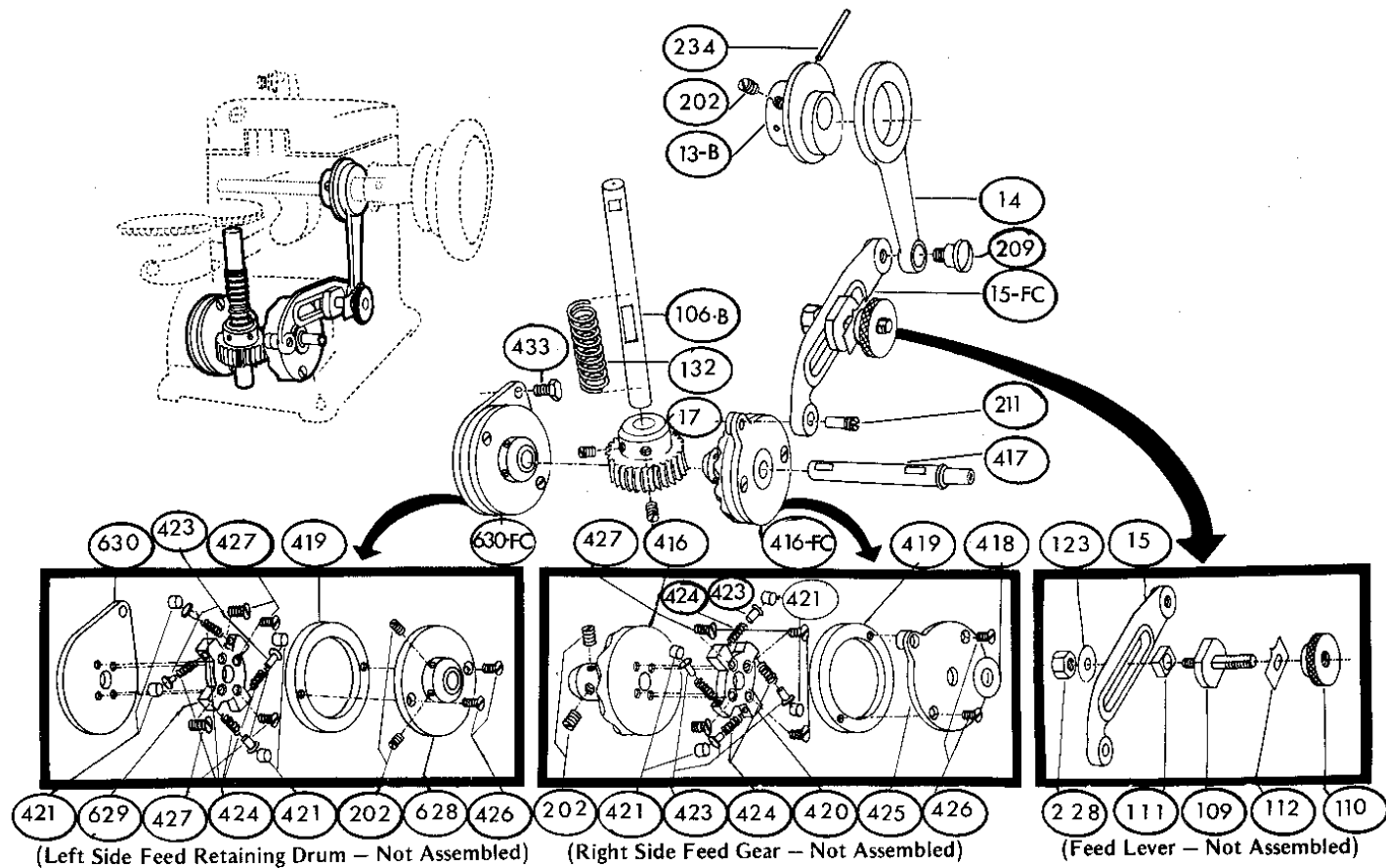


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*"C" after Part Number Denotes "COMPLETE"

LOOPER FRAME ASSEMBLY

Refer. No.	Part No.	Description
90(2)	214	Balance Weight Screws
91	27	Balance Weight
92	149-T	Oscillating Cam
92A	234	Eccentric Cam Pin
93(2)	202	Eccentric Set Screws
94	411-51	Looper Frame Hardened Steel Eccentric
95	126	Looper Oscillating Roller
96	207	Looper Cam Roller Stud
97	208	Looper Cam Roller Stud Set Screw
98	609	Looper Oscillating Arm
99(2)	639	Looper Oscillating Arm Pinch Screws
100	144-ST	Looper Frame
101	624-ST	Looper Shaft
102	125	Hexagon Looper Chuck Shell
103	114-ST	Looper
104(4)	206	Looper Frame Rocker Bracket Screws
105(2)	143	Rocker Packing: specify thickness .004, .006, .010, .020
106	122-T-51/10-T-51/205/225	Back Rocker fitted complete with stud
107	410-51/422-51/205/225	Front Rocker fitted complete with stud
108(2)	205	Looper Frame Rocker Stud
109	225	Looper Frame Front Rocker Nut
110	225	Looper Frame Back Rocker Nut



ILLUSTRATED IN SHADOW MACHINE—GEAR AND FEED
ASSEMBLY INSTALLED IN MAIN FRAME—COMPLETE

IES FOR

SR 65 SR 66

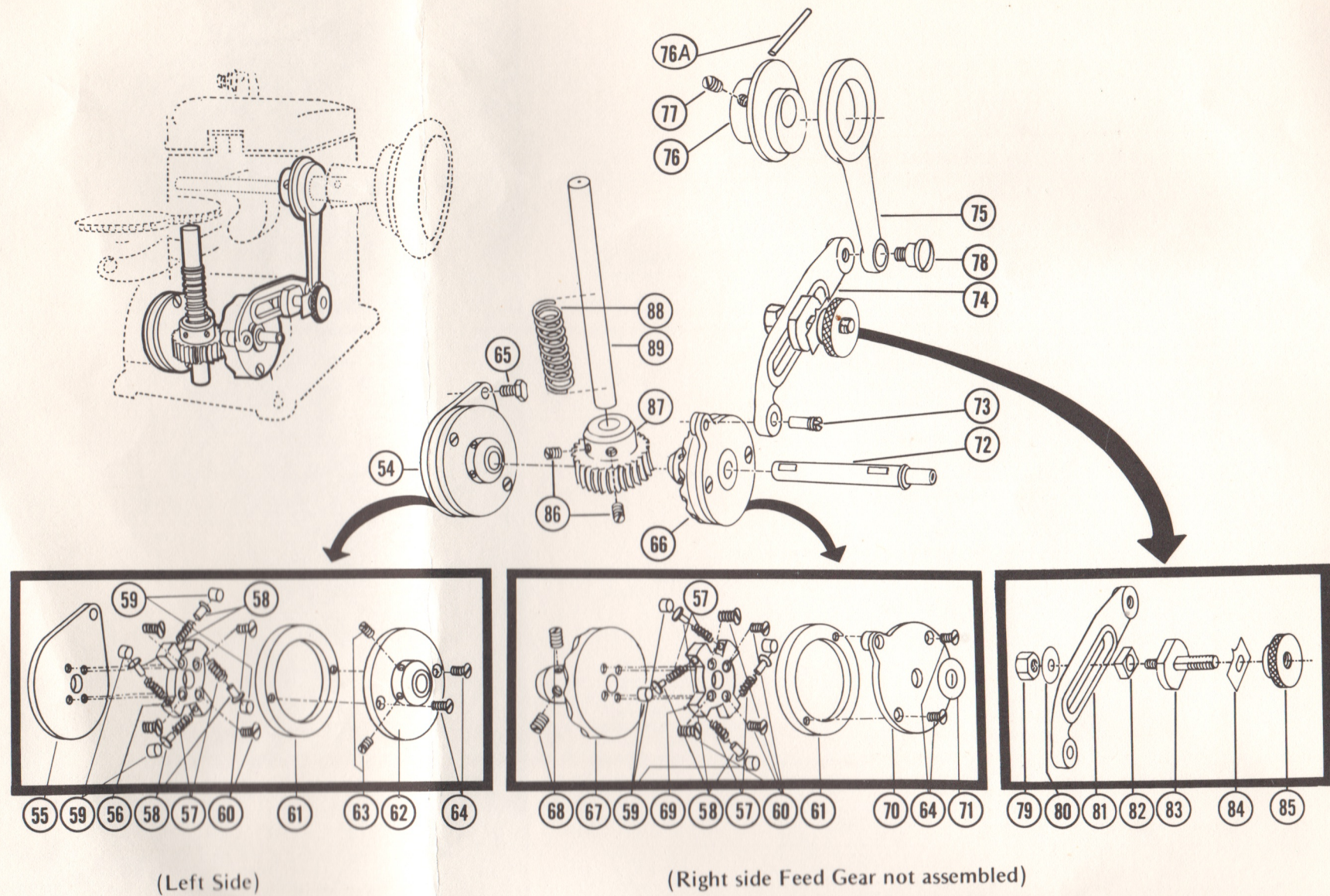
GEAR & FEED FRAME ASSEMBLY

Part No.	Description
13-B	Feed Eccentric 13 14-B-FC
14	Feed Connection <i>FITTED</i>
15	Feed Lever Only
15-FC	Feed Lever Fitted Complete
17	Feed Gear (Small)
106-B	Disc Shaft
109	Stitch Regulating Stud
110	Stitch Regulating Stud Nut
111	Stitch Regulating Block
112	Stitch Indicator
123	Feed Lever Washer
132	Feed Disc Shaft Spring
202	Set Screws
209	Feed Lever Screw
211	Feed Dog Driving Screw
228	Stitch Stud Nut
234	Feed Eccentric Pin
416	Feed Gear Only
416-FC	Right Side Feed Gear Complete
417	Feed Gear Shaft
418	Feed Gear Shaft Washer
419	Feed Gear Ring – Left and Right Side of Gear.
420	Feed Gear Cam
421	Feed Gear Roller
423	Feed Gear Roller Pin
424	Feed Gear Roller Spring
425	Feed Gear Plate
426	Feed Gear Plate Screws
427	Feed Gear Cam Set Screws
433	Feed Retaining Drum Plate Shoulder Screw
628	Feed Retaining Drum
629	Feed Retaining Drum Cam
630	Feed Retaining Drum Plate
630-FC	Left Side Feed Retaining Drum Complete

Right Side Feed Gear uses same numbers on screws,
roller springs, pins and cams

***“FC” after Part Number Denotes “COMPLETE”**

Special Gauges for Special Work are Available



ILLUSTRATED IN SHADOW MACHINE—GEAR AND FEED
ASSEMBLY INSTALLED IN MAIN FRAME—COMPLETE

MBLIES FOR
5, ST-56 and ST-15

CAUTION: When ordering parts, kindly state serial number and Model of Machine

GEAR & FEED FRAME

Refer No.	Part No.	Description	
54.....	416-L-C	Left Side Feed Retaining Drum Fitted Complete	
55.....	630	Feed Retaining Drum Plate	
56.....	420	Feed Gear Cam	
57(4).....	424	Feed Gear Roller Springs	
58(4).....	423	Feed Cam Roller Pins	
59(4).....	421	Feed Gear Rollers	
60(4).....	427	Feed Gear Cam Set Screws	
61.....	419	Feed Gear Ring	
62.....	628	Feed Retaining Drum	
63(2).....	202	Feed Retaining Drum Set Screws	
64(2).....	426	Feed Gear Plate Set Screws	
55 thru 64 Sold as complete unit assembled #416-L-C left side			
65.....	433	Feed Retaining Drum Plate Shoulder Screw	
66.....	416-R-C	Feed Gear, Right Side fitted complete	
67.....	416	Feed Gear	
68(2).....	202	Feed Gear Set Screws	
69.....	629	Feed Retaining Drum Cam	
70.....	425	Feed Gear Plate	
71.....	418	Feed Gear Shaft Washer	
72.....	417	Feed Gear Shaft	
73.....	211	Feed Dog Driving Screw	
74.....	15-C	Feed Lever assembled and sold as complete unit	
75.....	14-B	Feed Connection	
76.....	13-B	Feed Eccentric	
77.....	202	Feed Eccentric Set Screw	
78.....	209	Feed Lever Screw	
79.....	228	Stitch Stud Nut	
80.....	123	Feed Lever Washer	
81.....	15	Feed Lever	
82.....	111	Stitch Regulating Block	
83.....	109	Stitch Regulating Stud	
84.....	112	Stitch Indicator	
85.....	110	Stitch Regulating Stud Nut	
86.....	202	Feed Gear Set Screw	
87.....	17	Feed Gear, Small	
88.....	132	Feed Disc Shaft Spring	
89.....	106	Disc Shaft	

#416-L-C
LEFT SIDE

#416-R-C
RIGHT SIDE

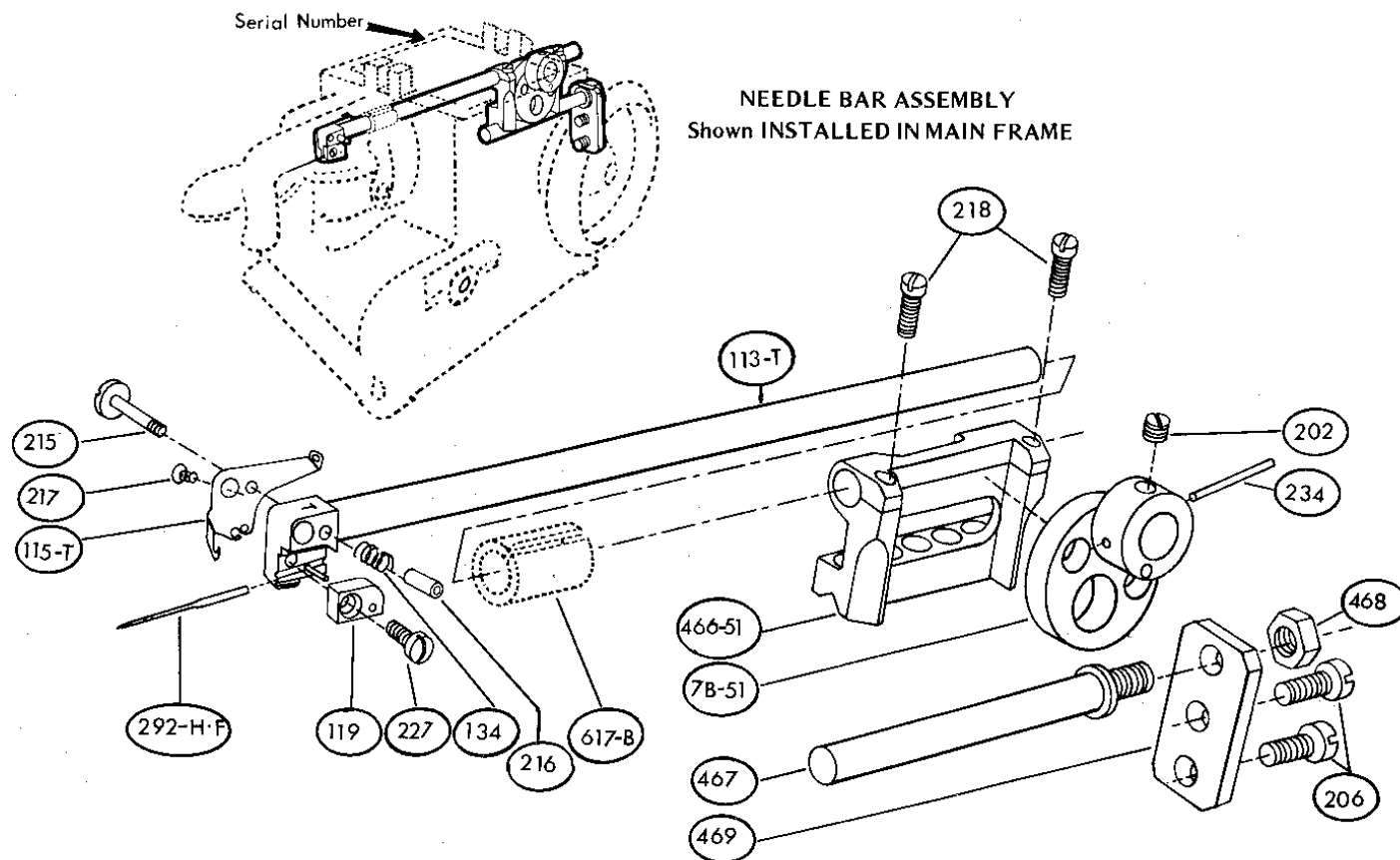
SOLD AS
COMPLETE UNIT

FEED LEVER
ASSEMBLED
AND SOLD AS
COMPLETE UNIT
#15-C

***"C" after Part Number Denotes "COMPLETE"**

Special Gauges for Special Work are Available

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Lift top cover. . . serial number is stamped on left rear corner of main
frame. Model number is stamped on metal label attached on top cover.



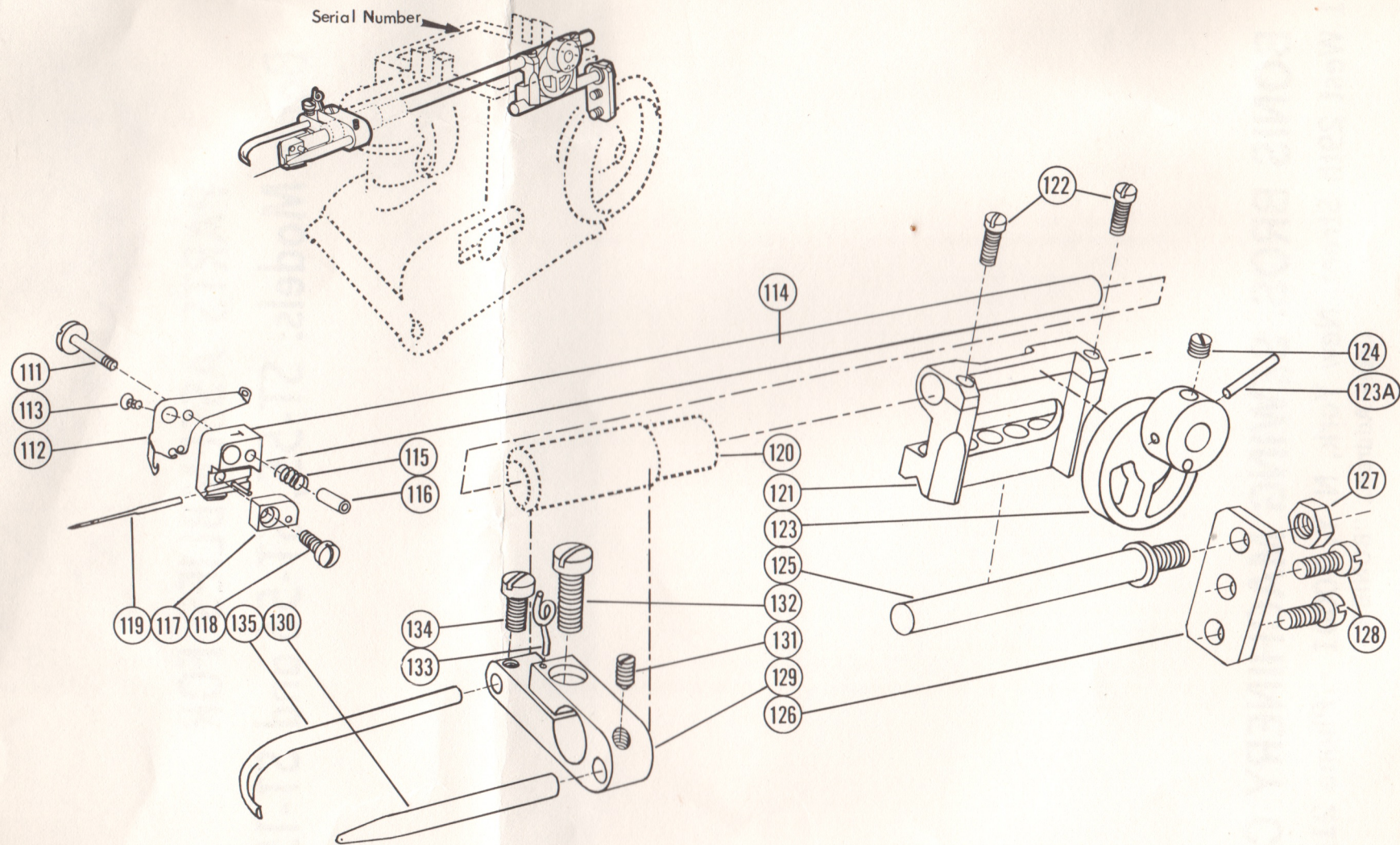
NEEDLE BAR ASSEMBLY

Part No.	Description
7-B-51	Needle Bar Yoke Eccentric
113-T	Needle Bar
115-T	Needle Bar Tension Plate
119	Needle Clamp
134	Needle Bar Tension Spring
202	Yoke Eccentric Set Screw (2) Req'd
206	Needle Bar Yoke Adjustable Bracket Screws
215	Needle Bar Tension Plunger
216	Needle Bar Tension Plunger Nut
217	Needle Bar Tension Plate Screw
218	Needle Bar Yoke Pinch screws
227	Needle Clamp Screw
234	Yoke Eccentric Set Pin
466-51	Needle Bar Yoke (UNIT 466-51-FC)
467	Needle Bar Yoke Support Shaft
468	Needle Bar Yoke Support Shaft Lock Nut
469	Needle Bar Yoke Adjustable Bracket
617-B	Needle Bar Bushing
Needle Bonis System H and F-292	

***“FC” after Part Number Denotes “COMPLETE”**

nce numbers 15, 94, 106, 107, 121
umber of your machine.

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frame. Model Number is stamped on metal label attached on top cover.



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NEEDLE BAR ASSEMBLY

Refer. No.	Part No.	Description	
111.....	215.....	Needle Bar Tension Plunger	} SOLD AS COMPLETE UNIT #113½-ST-C
112.....	115-T.....	Needle Bar Tension Plate	
113.....	217.....	Needle Bar Tension Plate Screw	
114.....	113-½"-ST.....	Needle Bar	
115.....	134.....	Needle Bar Tension Spring	
116.....	216.....	Needle Bar Tension Plunger Nut	
117.....	119.....	Needle Clamp	
118.....	227.....	Needle Clamp Screw	
119.....		Needle—Bonis System H and F Class	
120.....	117-B-ST.....	Needle Bar Bearing	
121.....	466-51.....	Needle Bar Yoke	
122(2).....	218.....	Needle Bar Yoke Pinch Screws	
123.....	7-B-51.....	Needle Bar Yoke Eccentric	
123A.....	235.....	Yoke Eccentric Pin	
124.....	202.....	Yoke Eccentric Set Screw	
121 thru 124 Sold as Complete Unit #466-7B-51/218/202			
125.....	467.....	Needle Bar Yoke Support Shaft	
126.....	469.....	Needle Bar Yoke Adjustable Bracket	
127.....	468.....	Needle Bar Yoke Support Shaft	
128.....	210.....	Needle Bar Yoke Adjustable Bracket Screw	
129.....	117-C-TC.....	Needle Bar Bearing Support	
130.....	116.....	Needle Bar Tension Post	
131.....	229.....	Tension Post Screw	
132.....	210.....	Needle Bar Bearing Support Screw	
133.....	128.....	Thread Guide	
134.....	214.....	Work Guide Screw	
135.....	127-T.....	Work Guide	

****“C” after Part Number Denotes “COMPLETE”**

DEALER:

REFERENCE NUMBERS ON EACH PLATE ARE
NOT NECESSARILY THE SAME, HOWEVER,
THE PART NUMBER, IF A DUPLICATE IS THE
SAME.

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