

DISASSEMBLY & ASSEMBLY INSTRUCTION FOR L·L100 SERIES

DISASSEMBLY & ASSEMBLY INSTRUCTION FOR L·L100 SERIES

Contents

Disassembly

	Disassembly		-
No.	L Series Page	No.	L100 Series Page
1	Oil 9	1	Oil 9
2	Top Cover	2	Top Cover
3	Bed Cover Plate (right)	3	Bed Cover Plate (right)
4	Bed Cover Plate (rear)	4	Bed Cover Plate (rear)
5	Cloth Plate	5	Cloth Plate
6	Presser Foot Arm (Complete)	6	Presser Foot Arm (Complete)
7	Side Cover/Diff. Feed Screw	7	Side Cover/Diff. Feed Screw
8	Diff, Feed Reg. Guide	8	Diff. Feed Reg. Guide
9	Chainstitch Looper Thread Takeup	9	Chainstitch Looper Thread Takeup
10	Arm (B)/Fabric Guard	10	Arm (B)/Fabric Guard
11	Needle Plate	11	Needle Plate
12	Needle	12	Needle
13	Bedplate (left) 14	13	Bedplate (left) 14
14	Feed Eccentric Cover	14	Feed Eccentric Cover
15	Front Cover	15	Front Cover
16	Face Plate/Thread Takeup/Guide	16	Face Plate/Thread Takeup/Guide
17	Looper Thread Takeups 15	17	Looper Thread Takeups 15
18	Upper Knife/Clamp	18	Upper Knife/Clamp
19	Lower Knife/Holder	19	Lower Knife/Holder
20	*	20	,
21	Needle Cooler Reservoir 16	21	Needle Cooler Reservoir 16
22	Chainstitch Needle Guards	22	Chainstitch Needle Guards
23	Needle Guards/Bracket (Safety Stitch)	23	Needle Guards/Bracket (Safety Stitch)
24	Needle Guards/Bracket (Overlock)	24	Needle Guards/Bracket (Overlock)
25	Upper Looper/Lower Looper/Lever	25	Upper Looper/Lower Looper/Lever
26	Chainstitch Looper/Lever	26	Chainstitch Looper/Lever
27	Main/Diff, Feed Dogs	27	Main/Diff, Feed Dogs
28	Oil Pan	28	Oil Pan
29	Oil Shields (left, right)	29	Oil Shields (left, right)
30	Diff. Feed Reg. Lever/Crank 18	30	Diff. Feed Reg. Lever/Crank 19
31	Feed Drive Shaft/Cranks	31	Feed Drive Shaft/Cranks
32	Chainstitch Looper Avoiding Crank	32	Chainstitch Looper Avoiding Crank
33	Housing	33	Housing 21
34	Crankshaft Extension Pin	34	Crankshaft Extension Pin
35	Bearing/Avoiding Connection	35	Bearing/Avoiding Connection
. 36	Feed Eccentric Drive Connection	36	Feed Eccentric Drive Connection
37	Feed Bar Oil Seal Guide 22	37	Feed Bar Oil Seal Guide 22
38	Feed Bar Guide (Right)	38	Feed Bar Guide (Right)
39	Feed Bars	39	Feed Bars
40	Needle Bar	40	Needle Bar
41	Oil Distributor	41	Oil Distributor
42	Needle Drive Connection/Crank/Shaft	42	Needle Drive Connection/Crank/Shaft

rom the library of: Superior Sewing Machine & Supply LLO

No.	L Series P	age	No.	L100 Series P	age
43	Arm (A)		43	Arm (A)	İ
44	Oil Pump	. 24	44	Oil Pump	24
45	Upper Looper Drive Connection/ Shaft/Lever		45	Upper Looper Drive Connection/ Shaft/Lever	
46	Upper Knife Drive Connection/Leve	er	46	Upper Knife Drive Connection/Leve	r
47	Lower Looper Drive Connection/ Shaft	. 25	47	Lower Looper Drive Connection/ Shaft	26
48	Chainstitch Looper Drive Crank/ Shaft		48	Chainstitch Looper Drive Crank/ Shaft	
49	Chainstitch Looper Aveiding Shaft		49	Chainstitch Looper Aveiding Shaft	
50	Foot Lift Shaft	. 27	50	Foot Lift Shaft	28
51	Foot Lift Lever		51	Foot Lift Lever	
52	Handwheel		52	Crankshaft Balance Weight	
53	Crankshaft	. 29	53	Crankshaft/Handwheel	30
54	Upper Looper Housing/Guide	. 31	54	Upper Looper Housing/Guide	32
55	Feed Eccentric				

Assembly

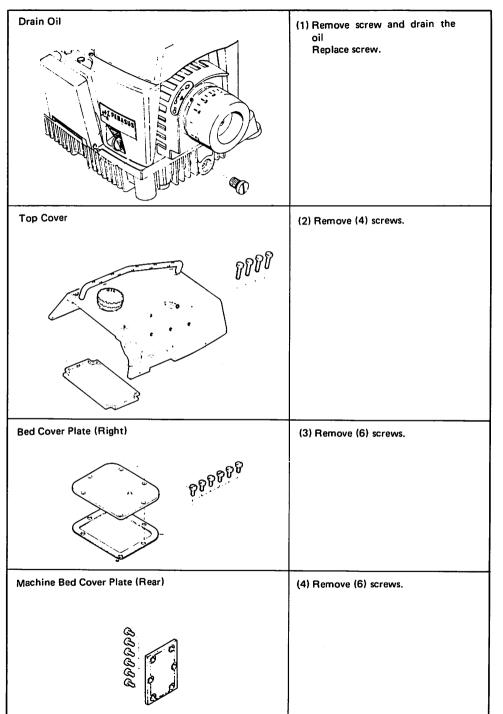
No.	L Series Page	No.	L100 Series Page
1	Chainstitch Looper Avoiding Shaft . 33	1	Chainstitch Looper Avoiding Shaft . 34
2	*	2	,
3	,	3	,
4	*	4	*
5	•	5	,
6	Feed Mechanism 35	6	Crankshaft Retainer (Right) 39
7	,	7	*
8	,	8	*
9	*	9	,
10	Crankshaft Retainer (Right) 36	10	Feed Bars 40
11	*	11	Feed Reg. Eccentric
12	,	12	*
13	Feed Bars	13	Feed Bars
14	*	14	*
15	Locating Feed Eccentric	15	Locating Feed Eccentric 41
16	*	16	*
17	*	17	*
18	*	18	,
19	Chainstitch Extension Shaft 38	19	,
20	*	20	*
21	4	21	,
22		22	Balance Weight 42
23	Lower Looper Drive Connection 43	23	Lower Looper Drive Connection 43
24	4	24	*
25	,	25	*
26	"	26	
27	Chainstitch Looper Drive Shaft 44	27	Chainstitch Looper Drive Shaft 45
28	,	28	*
29	*	29	*
30	*	30	//
31	Upper Knife Lever 46	31	Upper Knife Lever 46
32	//	32	*
33	Upper Knife Lever 46	34	,
34	/	35	/ Linner Looper Drive Connection 47
35	Upper Looper Drive Connection 47	36	Upper Looper Drive Connection 47
36	*	37	*
37	,	38	,
38	,	39	,
40	,	40	,
41	Feed Bar Guide (Right)/Oil Seal	41	Feed Bar Guide (Right)/Oil Seal
"'	Guide	"'	Guide 48
42	;	42	*
1			

No.	L Series Page	No.	L100 Series Page
43	Oil Distributors	43	Oil Distributors
44	*	44	*
45	Arm (A)	45	Arm (A)
46	Needle Bar Drive Connection/Crank	46	Needle Bar Drive Connection/Crank
47	Needle Bar Drive Connection/Crank	47	*
48	,	48	*
49	*	49	*
50	Fitting Needle 50	50	Needle 50
51	Needle Plate	51	Needle Plate
52	Needle Alignment	52	Needle Alignment
53	Needle Height	53	Needle Height
54	Setting Lower Looper 51	54	Setting Lower Looper 51
55	*	55	*
56	*	56	*
57	*	57	4
58	*	58	*
59	*	59	*
60	Movable Needle Guard (Rear) 53	60	Movable Needle Guard (Rear) 53
61	"	61	*
62	Needle Guard (Front)	62	Needle Guard (Front)
63	*	63	,
64	Setting Upper Looper 54	64	Setting Upper Looper 54
65	*	65	*
66	Setting Upper Looper	66	*
67	*	67	*
68	,	68	*
69	Upper Looper Adjustment Method	69	Upper Looper Adjustment Method
70	Serving Devicts Obstants to 1		
/0	Setting Double Chainstitch Looper	70	Setting Double Chainstitch Looper
71	Setting Double Chainstitch Looper	71	Setting Double Chainstitch Looper
72	,	72	,
73	•	73	,
74	Feed Crank 57	74	Feed Crank 59
75	"	75	*
76	4	76	*
77	,	77	*
78	4	78	*
79	,	79	4
80	Diff. Feed Reg. Lever 58	80	Diff. Feed Reg. Lever 60
81	,	81	*
82	*	82	<i>"</i>
83	*	83	,

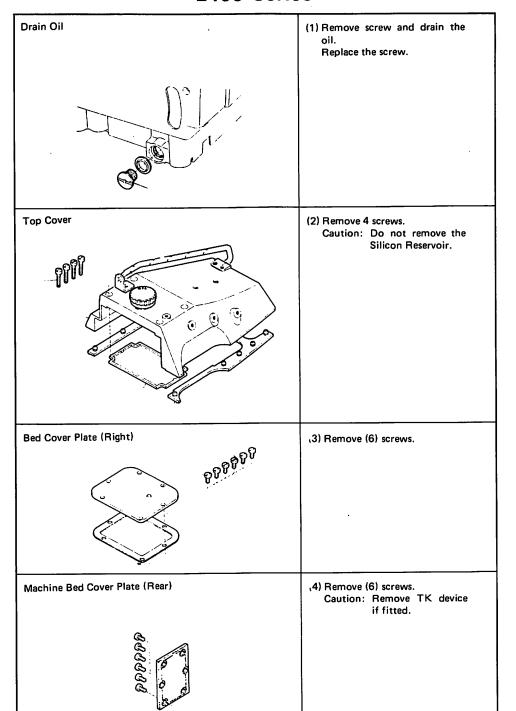
No.	L Series Page	No.	L100 Series Page
84	Diff. Feed Reg. Lever	84	Diff. Feed Reg. Lever
85	*	85	,
86	Main/Diff. Feed Dogs 61	86	Main/Diff. Feed Dogs 62
87	Needle Plate	87	Needle Plate
88	Positioning Feed Dogs	88	Positioning Feed Dogs
89	*	89	,
90	*	90	,
91	Main Feed Dog Height 63	91	Main Feed Dog Height 63
92	*	92	*
93	Needle Plate	93	Needle Plate
94	Stationary Needle Guard (Rear)	94	Stationary Needle Guard (Rear)
95	Stationary Needle Gurad (Front) 64	95	Stationary Needle Gurad (Front) 64
96	*	96	Stationary Needle Guard (Rear)
97	4	97	,
98	*	98	Stationary Needle Guard (Rear)
99	Stationary Needle Guard (Front)	99	Stationary Needle Guard (Front)
100	*	100	,
101	Double Chainstitch Needle Guard (Front, Rear) 65	101	Double Chainstitch Needle Guard (Front, Rear) 65
102	,	102	*
103	,	103	,
104	Silicon Reservoir (Lower)	104	Silicon Reservoir (Lower)
105	Needle Plate	105	Needle Plate
106	Lower Knife Holder (Overlock) 66	106	Lower Knife Holder (Overlock) 66
107	,	107	*
108	Lower Knife Holder (Safety Stitch)	108	Lower Knife Holder (Safety Stitch)
109	*	109	"
110	Lower Knife Holder	110	Lower Knife Holder
111	Upper Knife 67	111	Upper Knife 67
112	*	112	*
113	4	113	,
114	Setting Upper Knife Height	114	Setting Upper Knife Height
115	Setting Seam Width Trim Margin	115	Setting Seam Width Trim Margin
116	4	116	*
117	Bed Cover Plate (Right) 68	117	Bed Cover Plate (Right) 68
118	Feed Eccentric Cover	118	Feed Eccentric Cover
119	Bed Cover Plate (Left)	119	Bed Cover Plate (Left)
120	Foot Lift Lever Shaft	120	Foot Lift Lever Shaft
121	Feed Adjustment Cover Plate	121	Feed Adjustment Cover Plate
122	Double Chainstitch Looper Thread Takeup Bracket 69	122	Double Chainstitch Looper Thread Takeup Bracket
123	•	123	*

No.	L Series Page	No.	L100 Series Page
124	Double Chainstitch Looper Thread Takeup Bracket	124	Double Chainstitch Looper Thread Takeup Bracket
125	,	125	*
126	,	126	*
127	•	127	,
128	Face Plate	128	Face Plate
129	Needle Thread Guide71	129	Needle Thread Guide71
130	Needle Thread Retainer	130	Needle Thread Retainer
131	Looper Thread Guides	131	,
132	*	132	•
133	*	133	,
134	*	134	,
135	Arm (B)/Fabric Guard 72	135	Arm (B)/Fabric Guard 72
136	Foot Lift Lever	136	Foot Lift Lever
137	*	137	•
138	*	138	•
139	Adjusting Foot Lift Lever 73	139	Adjusting Foot Lift Lever 73
140	*	140	,
141	*	141	
142	*	142	•
143	,	143	•
144	•	144	•
145	Cloth Plate/Side Cover / Front Cover	145	Cloth Plate/Side Cover /Front Cover
		' ' '	
146	Cloth Plate/Side Cover/Front Cover	146	Cloth Plate/Side Cover/Front Cover
147	*	147	*
148	•	148	*
149	Oil Pump	149	Oil Pump
150	Oil Splash Guards	150	Oil Splash Guards
151	Oil Pan	151	Oil Pan
152	Top Cover	152	Top Cover
153	Threading Diagram 1-Needle 2-Thread Overlock 76	153	Threading Diagram 1-Needle 2-Thread Overlock 76
154	Threading Diagram 1-Needle 3-Thread Overlock	154	Threading Diagram 1-Needle 3-Thread Overlock
155	*	155	,
156	Threading Diagram 2-Needle 4-Thread Overlock	156	Threading Diagram 2-Needle 4-Thread Overlock
157	,	157	· •
158	*	158	*
159	3-Needle 6-Thread Safety Stitch	159	3-Needle 6-Thread Safety Stitch
160	2-Needle 4-Thread Safety Stitch 79	160	2-Needle 4-Thread Safety Stitch 79
		ı	•

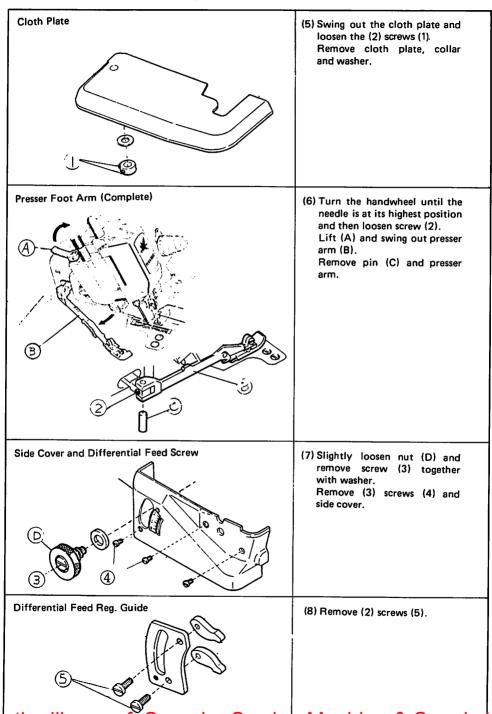
No.	L Series Page	No.	L100 Series Page
161	Threading Diagram 2-Needle 4-Thread Safety Stitch 80	161	Threading Diagram 2-Needle 4-Thread Safety Stitch 80
162	Setting Needle Thread Guide 81	162	Setting Needle Thread Guide 81
163	Setting Looper Thread Takeup.	163	Setting Looper Thread Takeup
164	,	164	*
165	Setting Double Chainstitch Looper Thread Guide	165	Setting Double Chainstitch Looper Thread Guide
166	*	166	,
167	Setting Feed Dog Tilt 82	167	Setting Feed Dog Tilt 82
168	Chainstitch Looper Avoiding Motion Adjustment	168	Chainstitch Looper Avoiding Motion Adjustment
169	Diff. Feed Ratio Adjustment 83	169	Diff. Feed Ratio Adjustment 83
170	*	170	*
171	Feed Bar Guide Resetting Method	171	Feed Bar Guide Resetting Method
172	,	172	*
173	*	173	*
1			



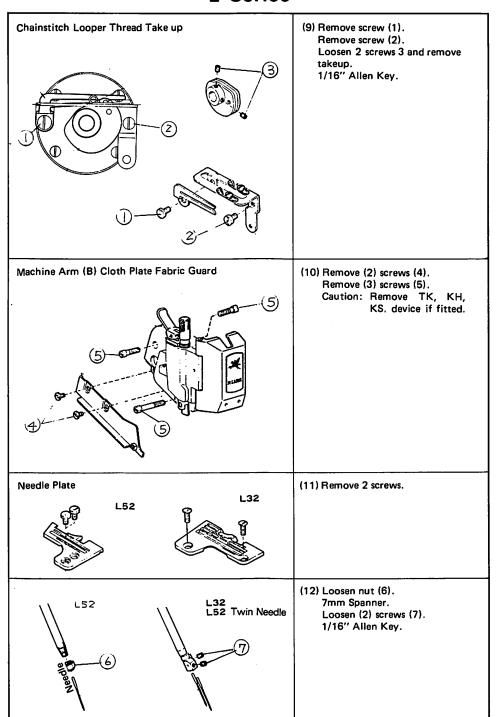
rom the library of: Superior_Sewing Machine & Supply LL



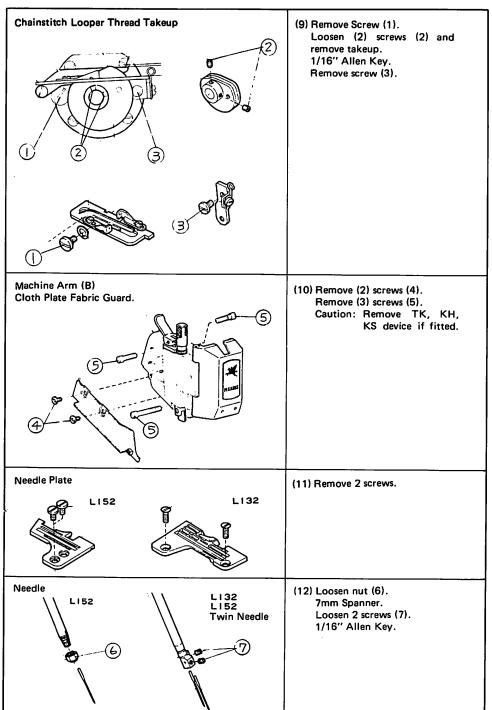
rom the library of: Superior Sewing Machine & Supply LLO



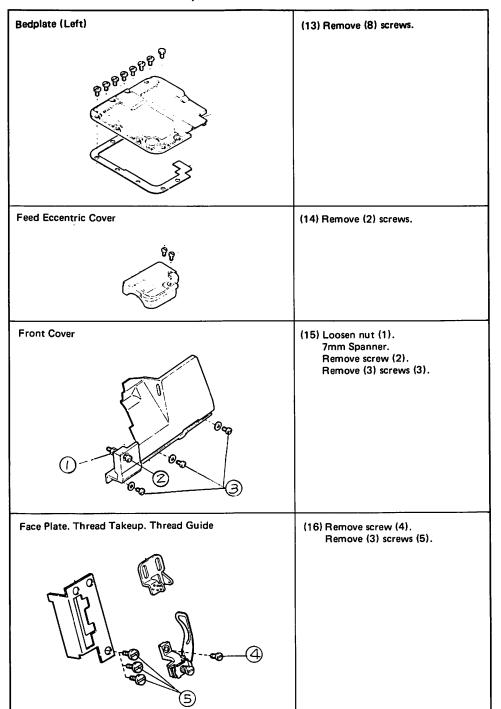
rom the library of: Superior Sewing Machine & Supply

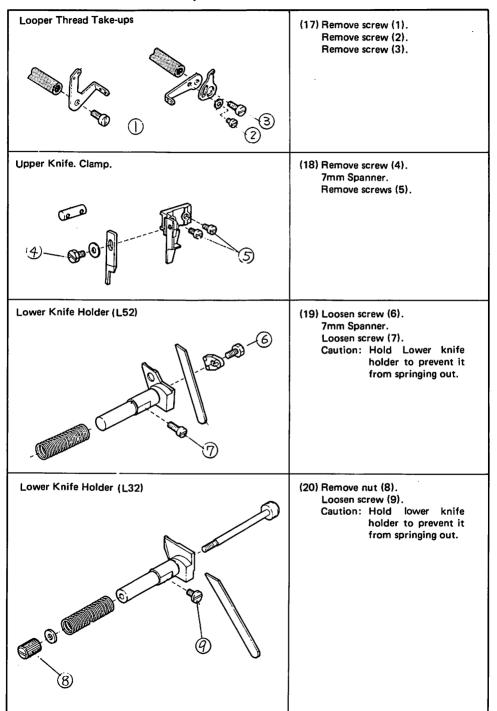


rom the library of: Superior Sewing Machine & Supply LL

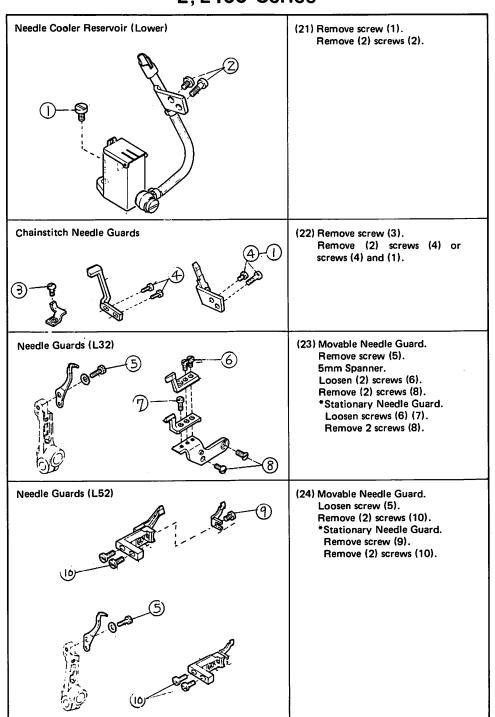


rom the library of: Superior_Sewing Machine & Supply

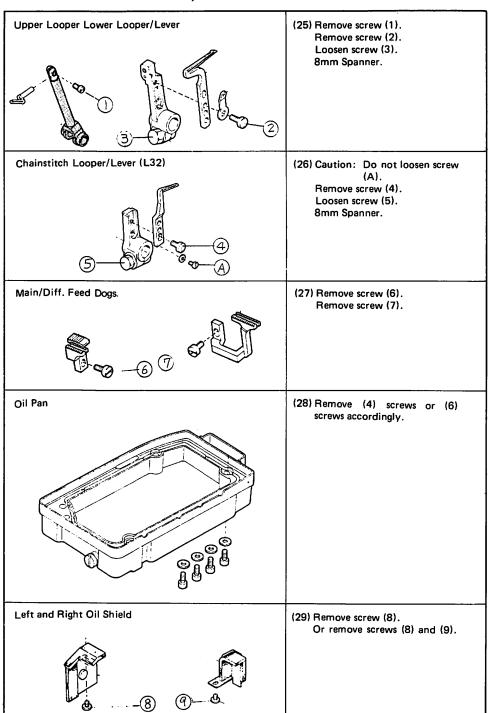




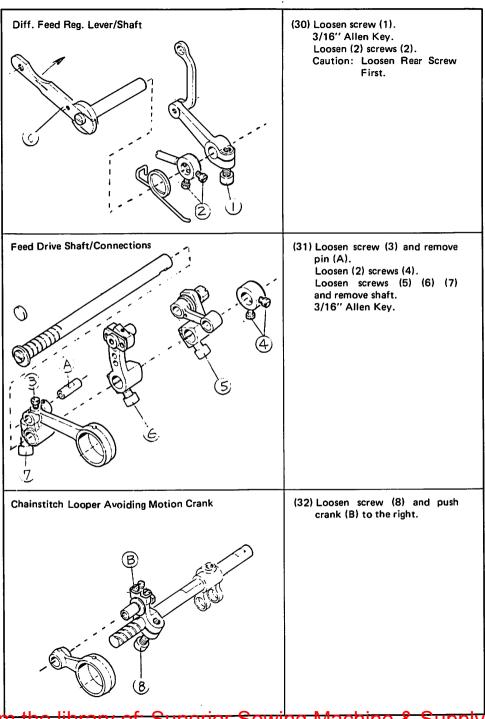
rom the library of: Superior_Sewing Machine & Supply LL



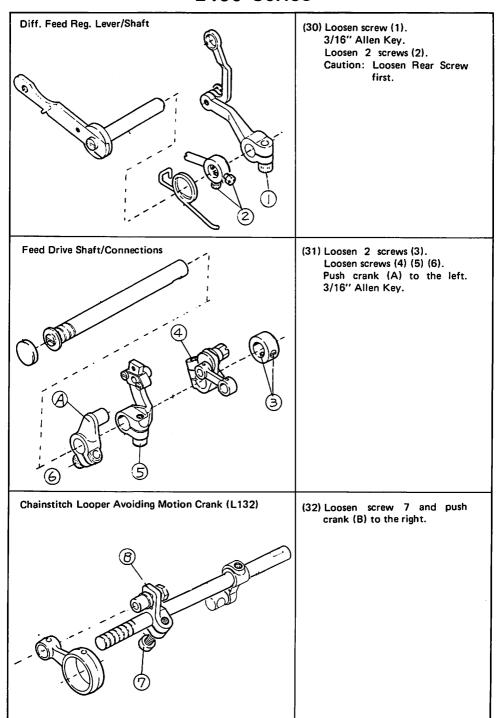
rom the library of: Superior <u>Sewing Machine & Supply L</u>L



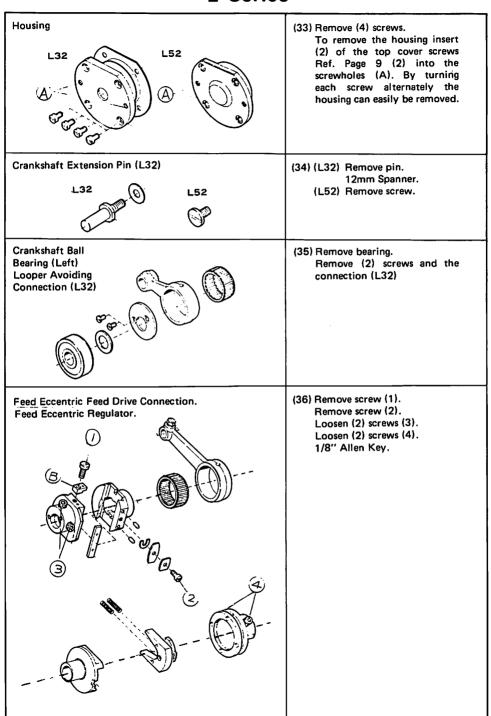
rom the library of: Superio<u>r Se</u>wing Machine & Supply LL



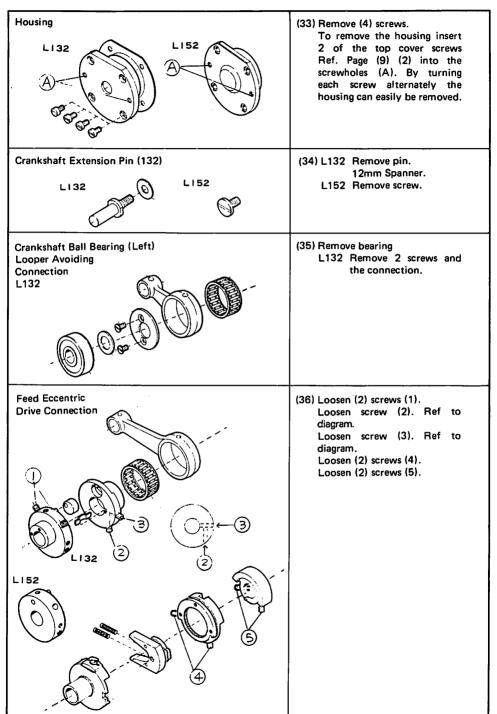
rom the library of: Superior Sewing Machine & Supply Ll



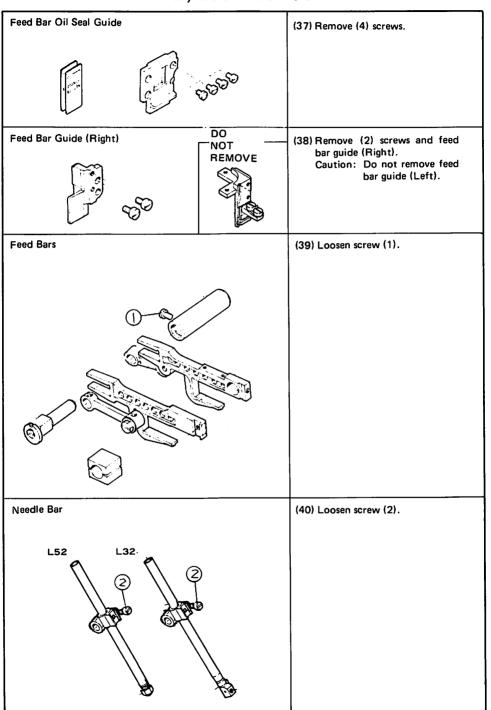
rom the library of: Superior_Sewing Machine & Supply LL



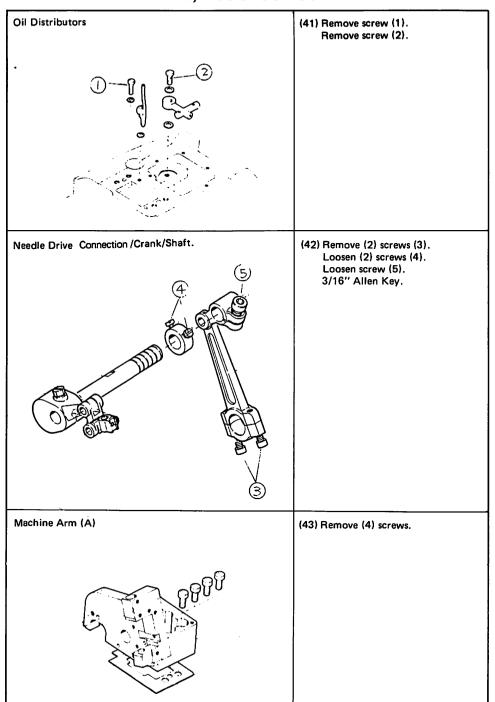
rom the library of: Superior Sewing Machine & Supply LL



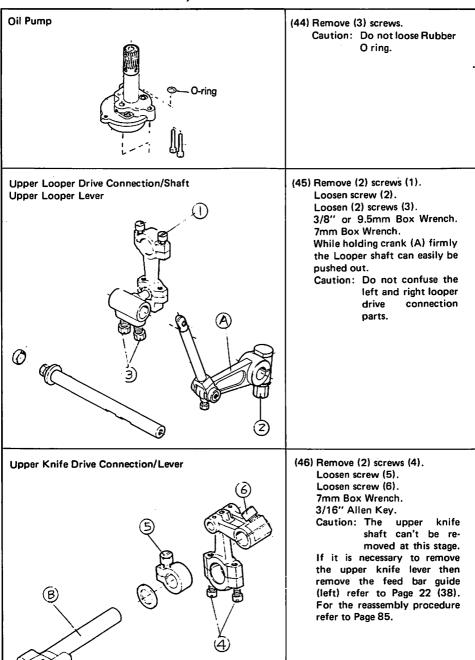
rom the library of: Superior_Şewing Machine & Supply LL



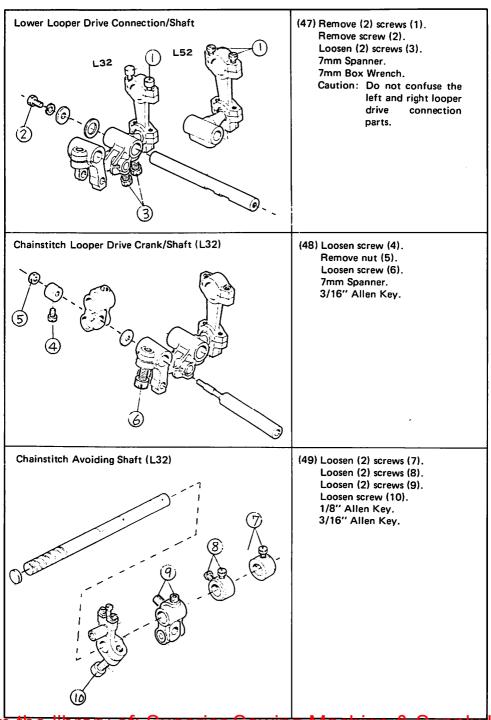
rom the library of: Superior Sewing Machine & Supply LL



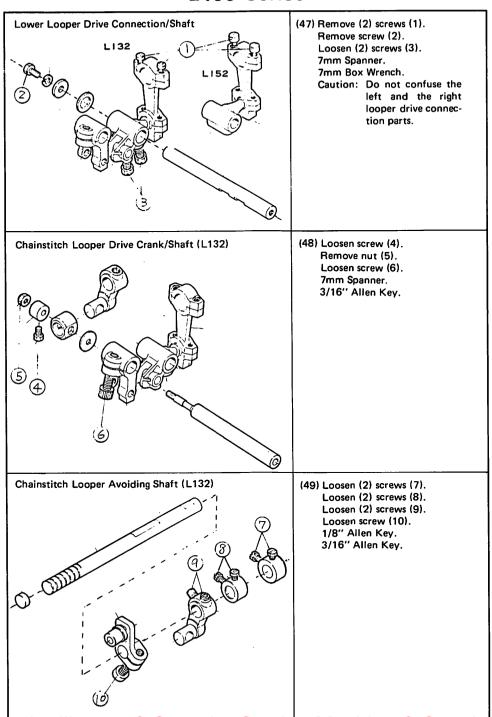
rom the library of: Superior_Şewing Machine & Supply Ll



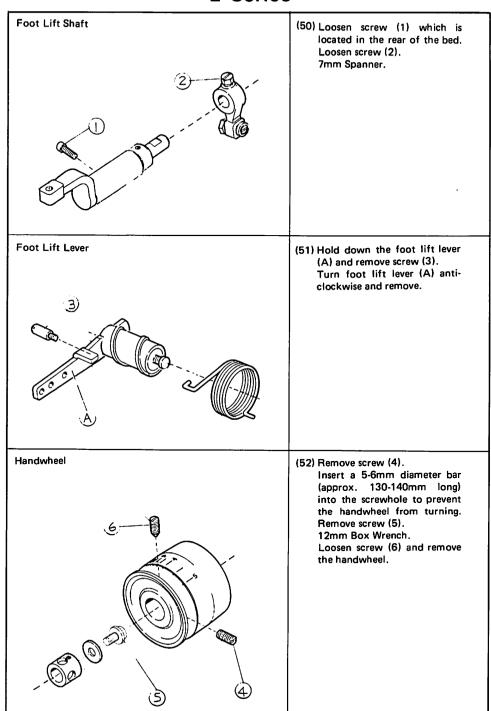
rom the library of: Superior_Sewing Machine & Supply Ll



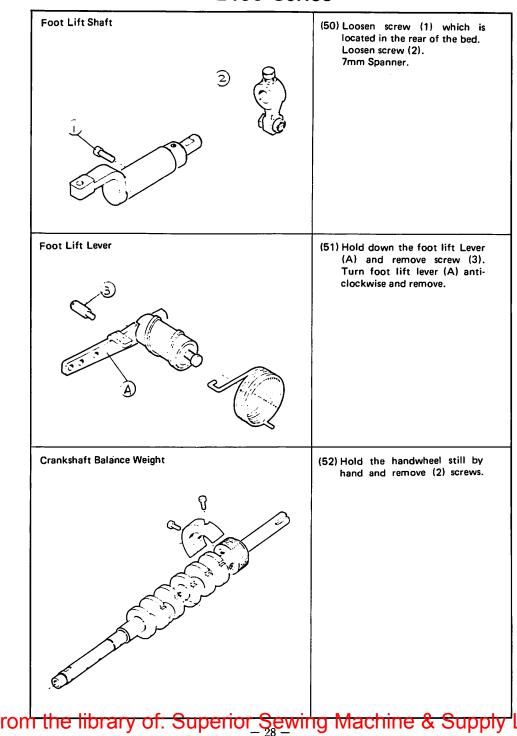
rom the library of: Superior <u>Sewing Machine & Supply L</u>

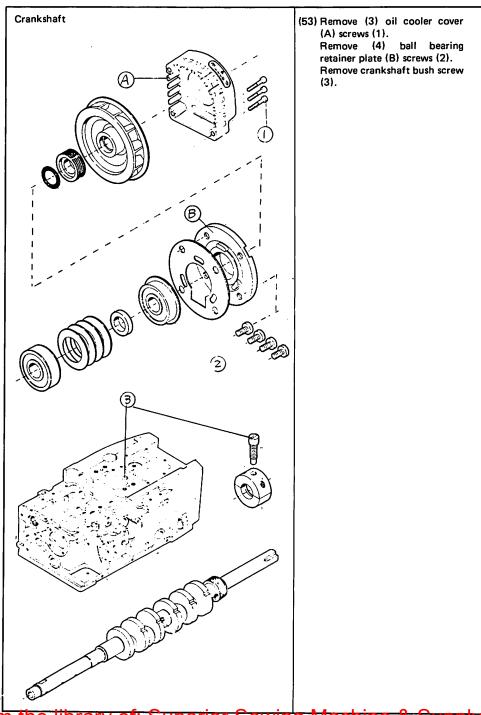


rorh the library of: Superior <u>Se</u>wing Machine & Supply Ll

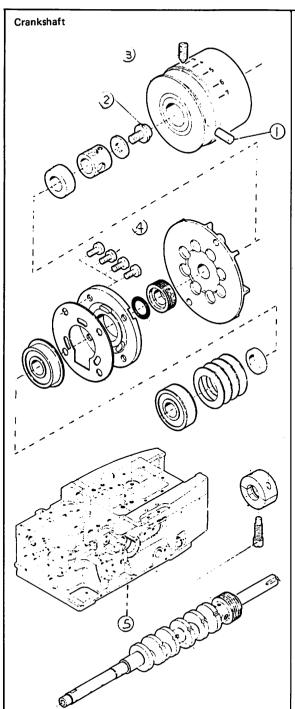


rom the library of: Superior_Sewing Machine & Supply





rom the library of: Superior_Şewing Machine & Supply L



(53) Remove screw (1).

Insert a 5-6mm bar (approx. 130-140mm long) into the screwhole to prevent the handwheel from turning.

Remove screw (2).

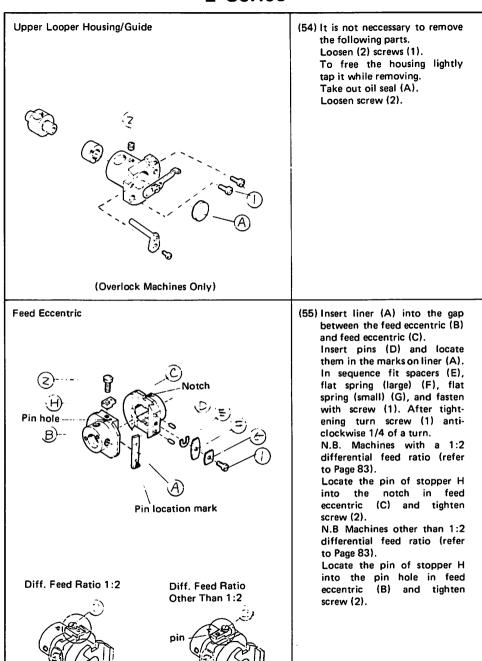
12mm Box Wrench.

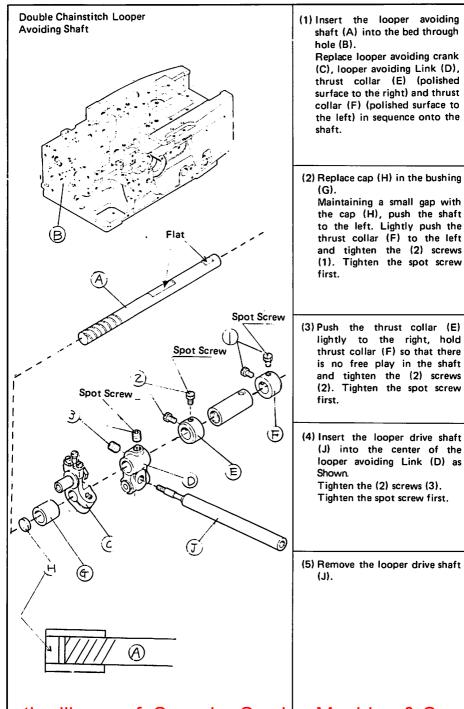
Loosen screw (3).

Remove (4) screws (4).

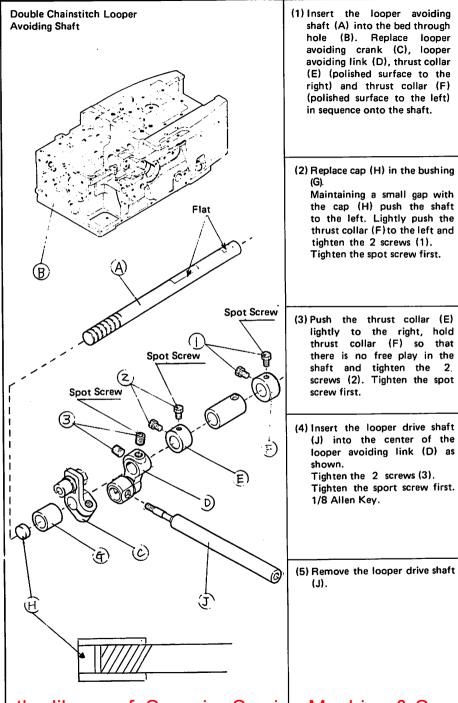
Remove crankshaft bush screw (5).

rom the library of: Superior_Sewing Machine & Supply I

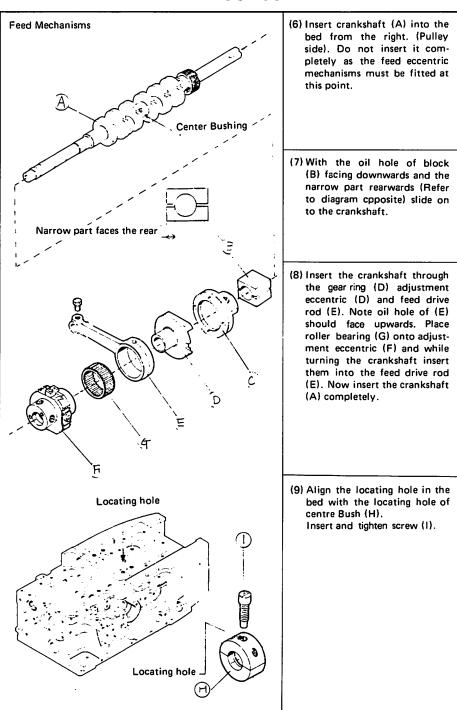




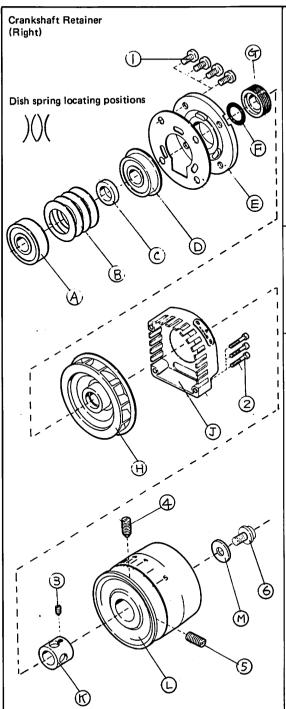
rorn the library of: Superio<u>r Şe</u>wing Machine & Supply Ll



rom the library of: Superior Sewing Machine & Supply \mathbb{I}



rom the library of: Superior_Şewing Machine & Supply L



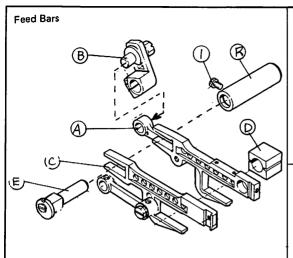
(10) In sequence insert bearing (A), (4) springs (B) (See diagram opposite for the locating positions), bearing (center) (C), bearing (right) (D), bearing retainer (E), O ring (F) and oil seal (G) into the bed. Securely fasten bearing retainer (E) with (4) screws (1). Caution Turn the pulley by hand and check that it turns smoothly.

(11) Replace fan (H) and oil cooler cover (J). Fasten oil cooler cover (J) with 3, screws (2) securely.

(12) Replace collar (K) and locate screw (3) into the groove of the crankshaft. Replace hand wheel (L) and locate screw (4) into the same groove and lightly tighten. Insert a 5 to 6mm diameter bar (appox. 130-140mm long) into the screwhole 5 to present the hand wheel from turning, replace washer (M) and tighten screw (6) securely. Tighten screws (4) (5) securely.

Caution: Turn the hand wheel by hand and check that it turns smooth-

om the library of: Superior_Şewing Machine & Supply Ll



(13) Insert crank (B) into feed bar link (A) and then fit this assembly onto the feed bar lift block (D). Next fit feed bar (C) in the same manner. Insert the feed bar pin (E) into the bush (R) and lightly tighten screw (I) by hand.

Caution: The polished surface of the block on pin (E) should face upwards.

(14) If the positions of the screws
(2) and (3) are incorrect when
they are tightened then the
feed movement and the chainstitch looper timing against
the needle timing will alter
So extreme care must be
taken when positioning them.

(15) Push the gear ring (F) lightly to the right and align the spot screw with the flat on the crankshaft. Securely tighten screws (2).

N.B. Tighten spot screw first. 1/8" Allen Kev.

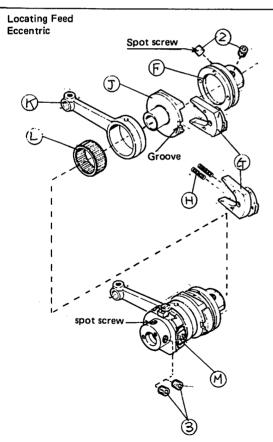
(16) Insert (2) springs (H) into rachet (G). With the groove of the feed regulating eccentric (J) at the top insert the rachet between (F) and (J) and lightly push regulating eccentric to the right.

(17) Lightly push connection (K) bearing (L) and eccentric (M) to the right and align the spot screw (3) with the flat on the crankshaft. Tighten

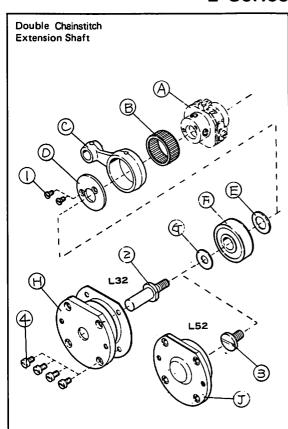
2 screws (3).

Note: Tighten spot screw first. 1/8" Allen Kev.

(18) Push the rachet (G) in to check that it can move smoothly.



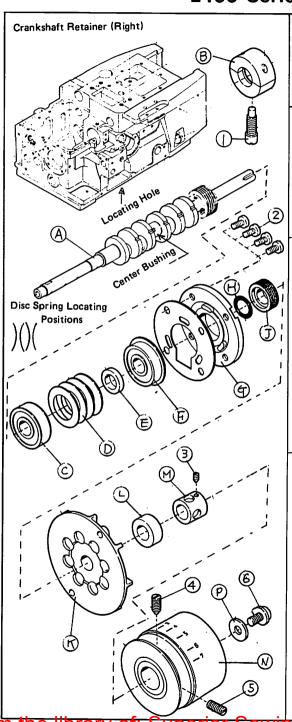
rom the library of: Superior Sewing Machine & Supply



- (19) While turning the hand wheel replace the needle bearing (B) and looper avoiding connection (C) on to feed eccentric (A). Fit washer (D) and fasten with screws (I).
- (20) In sequence fit washer (E), bearing (F) and washer (G) onto the crankshaft and tighten crankshaft extension (2) or screw (3).
- (21) Replace housing (H) or (J) and fasten with (4) screws (4).

 Caution: Do not omit the gasket.

rom the library of: Superior_Sewing Machine & Supply I



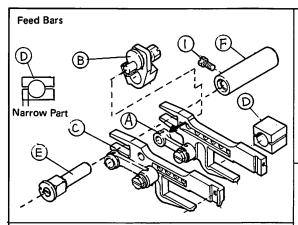
- (6) Insert the crankshaft (A) into the bed from the right. (Pulley Side)
- (7) Align the locating hole (B) with the locating hole in the bed. Locate screw (1) and tighten securely.

(8) In sequence insert bearing (C), 4 springs (D) (see diagram opposite for the locating position), bearing (centre) (E), bearing (right) (F), bearing retainer (G), O'ring (H) and oil seal (J) into the bed. Securely fasten bearing retainer (G) with 4 screws (2).

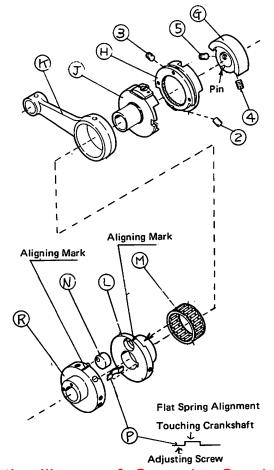
Caution: Make sure that the crankshaft turns freely while tightening screws (2).

(9) Fit fan (K), spacer (L) and collar (M) onto the crankshaft. Locate screw (3) into the crankshaft groove. Fit hand wheel (N), and locate screw (4) into the crankshaft groove. Lightly tighten screw (4). Insert a 5-6mm diameter bar (approx. 130-140mm long) into the screw hole (5) to prevent the hand wheel from turning, replace washer (P) and fasten screw (6) securely. Tighten screws (4)(5) securely. Caution: Turn the hand wheel by hand and check that it turns smooth-

rom the library of: Superior Sewing Machine & Supply L



Feed Regulating Eccentric



(10) Insert the crank (B) into the feed bar link (A) and then fit this assembly onto the feed bar lift block (D). Fit feed bar (C) in the same manner. Insert the feed bar pin (E) into the bush (F) and lightly tigehten screw (1) by hand.

Caution: The polished surface of the block on pin (E) should face upwards.

(11) In sequence fit the balance weight (G), rachet wheel (H), feed regulating eccentric (J) and the feed drive rod (H) onto the crankshaft.

(12) Locate the pin of the balance weight (G) into the locating hole in the rachet wheel (H). Push the rachet wheel (H) lightly to the right and tighten screw (2) onto the flat on the crankshaft. In sequence tighten screws (3) (4) (5) securely.

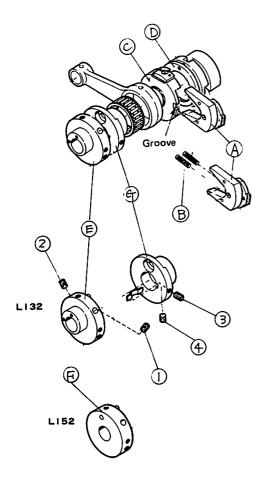
3/32" Allen Key.

(13) Place the needle bearing (M) onto the feed eccentric (L). Place the feed eccentric guide (N) into the feed eccentric (L). Fit the looper avoiding eccentric (R) and align the aligning marks together.

(14) Fit the flat spring (P) into the groove of the feed eccentric (L) from the right (see the diagram for the correct direction). Fit the complete assembly onto the crankshaft with the spring groove at the bottom. While turning the hand wheel locate the needle bearing (M) between connection (K) and eccentric (J).

n the library of: Superior_Sewing Machine & Supply

Locating Feed Eccentric



(15) Insert 2 springs (B) into ratchet (A). With the feed regulating eccentric (C) groove at the top insert the rachet (A). While pushing the rachet (A) onto the crankshaft, push it to the right and locate it into the rachet wheel (D).

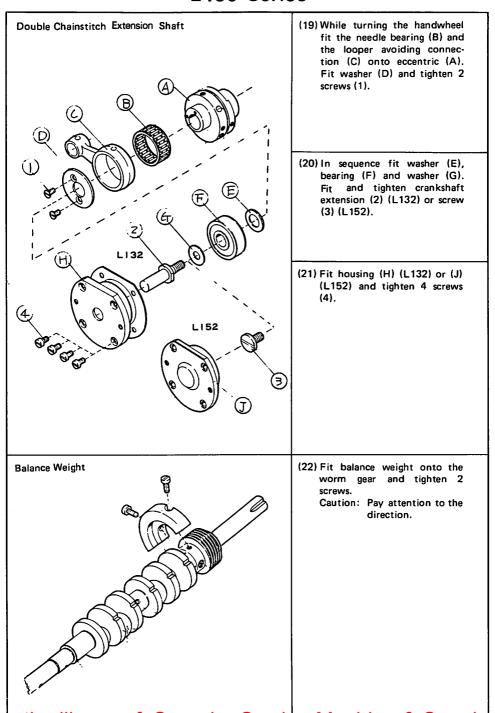
(16) Push the looper avoiding eccentric (E) (L132) or the eccentric bracket (F) (L152) lightly to the right and tighten screw (1) onto the flat on the crankshaft. Tightenscrew (2) securely.

3/32" Allen Key.

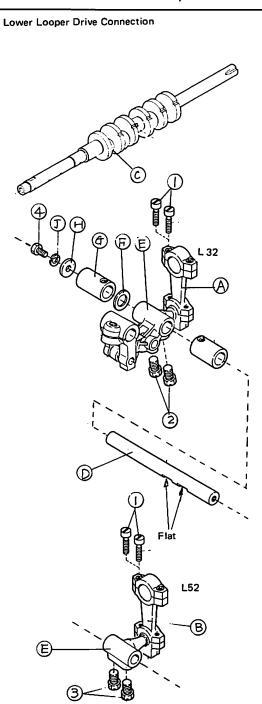
(17) Push the rachet (A) in to check that it can move smoothly.

(18) Press in the pushbutton and locate it into the groove of eccentric (C). Keeping this condition set screw (3) so that a slight resistance is felt when the handwheel is turned. Tighten screw (4).

Caution: Push in the stitch change button and turn the pulley by hand. If the turning torque is too light then fine adjustments will be difficult to make.



om the library of: Superior Sewing Machine & Supply Ll



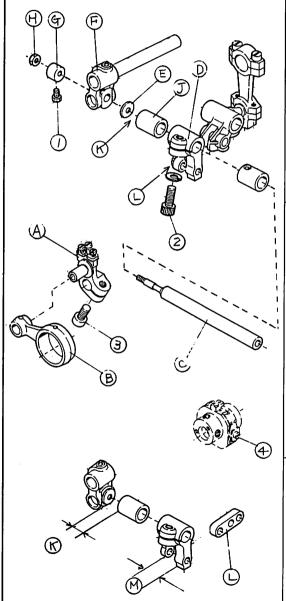
- (23) Fit the lower looper drive connection (A) or (B) (complete) onto the crankshaft from the bottom of the machine. Align the aligning marks and fit the cap from the top of the bed and tighten the 2 screws (1) securely. Check that the connection can move smoothly.
- (24) Insert the shaft (D) into the bed from the front of the machine and insert it through connection (E) and washer (F). With the shaft slightly protruding out from bush (G) and lightly fasten screws (2) or (3) onto the flat spots.
- (25) Attach washer (H) and spring washer (J) onto the shaft (D) with screw (4).
 7mm Spanner.
- (26) Loosen screws (2) or screws (3). Lightly push screw (4) against bush (G) and also push the connection (E) against bush (G). Tighten the screws (2) or (3) securely. So that there's no free play in the shaft (D).

7mm Spanner.

Caution: If there is any free play then the noise level will be high and skip stitching will occur.

n the library of: Superior Sewing Machine & Supply L





(27) Fit looper avoiding connection (B) onto the looper avoiding crank (A).

(28) Insert the looper drive shaft (C) through the drive crank (D), washer (E) and block (F) from the front of the machine bed. Lightly tighten screw (2) with the narrow part of the shaft protruding slightly from the rear of bushing (J).

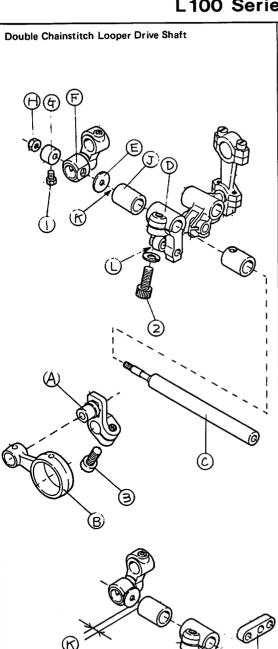
(29) Fit the collar (G) on the end of shaft (C). Lightly tighten nut (H) so that there's no gap between collar (G) and block (F). Loosen screw (2) and check that the shaft (C) can move smoothly. Tighten screw (1). Tighten nut (H).

7mm Spanner.

Caution: If there is any free play then skip stitching in the double chainstitch seam will occur.

(30) Loosen screw (2). With the looper avoiding connection (B) in its rear most position (when the feed eccentric flat spring screw (4) faces upwards) adjust the clearance (K) to 0.8 mm and tighten screw (3). Position (L) centrally in the slot (M) and tighten screw (2) securely.

the library of: Superior Sewing Machine & Supply

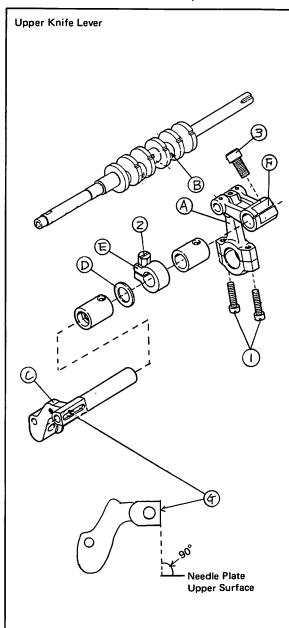


- (27) Fit looper avoiding connection (B) onto the looper avoiding crank (A)
- (28) Insert the looper drive shaft (C) through the drivecrank (D) washer (E) and block (F) from the front of the machine bed. Lightly tighten screw (2) with the narrow part of the shaft protruding slightly from the rear bushing (J).

(29) Fit the collar (G) on the end of shaft (C). Lightly tighten nut (H) so that there's no gap between collar (G) and block (F). Loosen screw (2) and check that the shaft (1). Tighten nut (H). 7mm Spanner.

Caution: If there is any free play then skip stitching in the double chainstitch seam will occur.

(30) Loosen screw (2). With the looper avoiding connection (B) in its rear most position (when the feed eccentric flat spring screw (4) faces upwards) adjust the clearance (K) to 0.8mm and tighten screw (3). Position (L) centrally in the slot (M) and tighten screw (2).



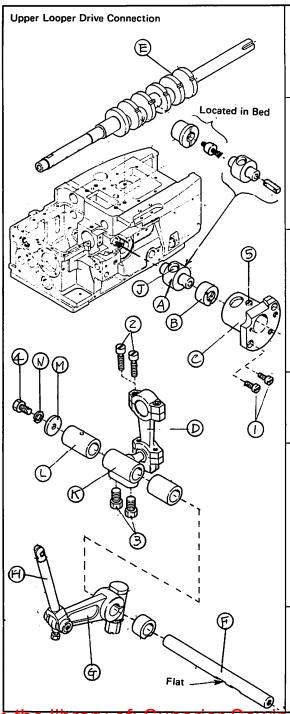
- (31) Fit the top knife drive connection (A) (complete) onto the crankshaft (B) from the top of the bed. Align the aligning marks and fit the connection cap from the bottom of the bed and tighten the 2 screws (1) securely. Check that the connection moves smoothly.
- (32) Insert the upper knife lever (C) through washer (D), collar (E) and the upper knife crank (F).
- (33) Push the upper knife lever (C) lightly towards the pulley and at the same time push the collar (E) in the opposite direction then making sure that the upper knife lever is in its top most position (rod (A) facing directly upwards) tighten screw (2) securely so that theres no free play.

 7mm T-Bar Wrench.
- (34) Lightly tighten screw (3).

Turn the pulley and move the upper knife lever (C) to its lowest position. At this position the surface (G) should be vertical to the needle plate or to the needle plate fixing surface. Loosen screw (3) to adjust. Tighten screw (3) securely.

3/16" Allen Key.

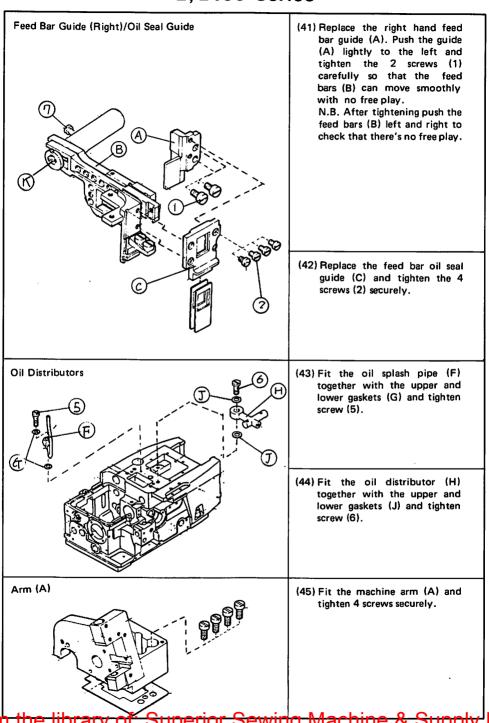
rom the library of: Superior Sewing Machine & Supply L

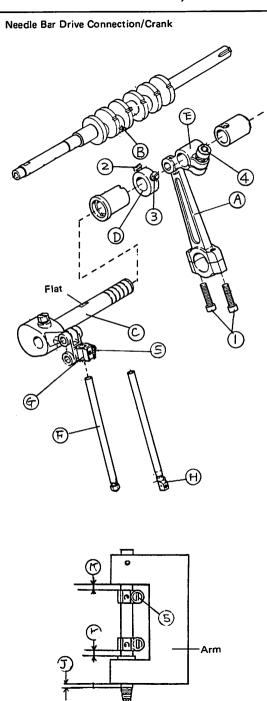


- (35) Fit the looper lever guide (A) (with the felt facing outwards), the bush (B) and the housing (C) into the front of the bed see arrow. Tighten the 2 screws (1).
- (36) Fit the upper looper drive connection (complete) (D) onto the crankshaft from the bottom of the bed Align the aligning marks and fit the connection cap from the top of the bed. Tighten the 2 screws (2) carefully. Check that the connection can move smoothly.
- (37) Insert the looper lever (H) through the hole (J). Insert the upper looper drive shaft (F) into the front of the bed. Insert the shaft (F) through the looper crank (G) and the drive crank (K). With the end of shaft (F) protruding slightly from the rear of bushing (L) tighten screws (3) onto the flat.
- (38) Fit the washer (M), and the spring washer (N) onto the protruding end of shaft (F) and tighten screw (4).

 7mm Spanner.
- (39) Loosen screws (3). Push the screw (4) against the bushing (L) and push the drive crank (K) in the opposite direction against the bushing (L). Tighten the screws (3) so that there is no free play in the shaft (F). Caution: Any free play will result in skip stitching or the loopers colliding with each other.
- (40) Push the bushing (B) lightly against looper lever guide (A) so that the looper lever (H) can move up and down smoothly but without any sideways free play. Tighten screw (5).

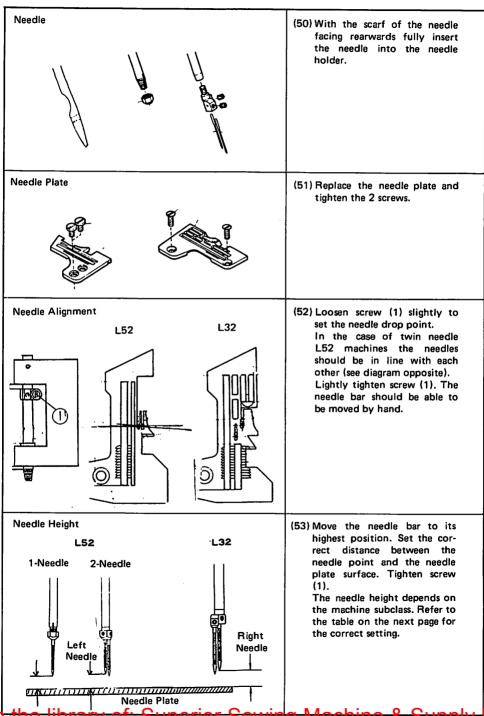
rom the library of: Superior_Şewing Machine & Supply L





- (46) Fit the needle bar drive connection (A) as a set onto the crankshaft spot (B) from the top of the bed. Align the aligning marks and fit the connection cap from the bottom of the bed and tighten screws (1) carefully. Check that the connection can move smoothly.
- (47) Insert the needle bar drive shaft (C) through the machine arm, collar (D) and the crank (E). Push the drive shaft (C) towards the pulley and push the collar (D) in the opposite direction. Making sure that there's no free play tighten screw (2) onto the flat spot on shaft (C). Tighten screw (3).
- (48) Insert the needle bar (F) or (H) into arm (A) and through clamp (G). With the needle bar drive crank at the top of its stroke set clearance (J) (from the bottom surface of the arm to the screw threads of (F) or the needle holder on (H)) to 1.0-1.5mm and tighten screw (5).
- (49) Move the needle bar drive rod (A) to its lowest position and lightly tighten screw (4). Make sure that when the handwheel is turned the 2 clearance (K) are the same. Adjust if neccessary tighten screw (4) securely.

ont the library of: Superior Sewing Machine & Supply



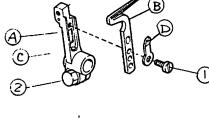
on the library of: Superior Sewing Machine & Supply

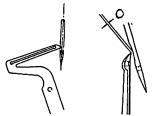
Machine	model	Needle (A) height
L152-24	L52-24	9.7
L152-1652	L52-1652	9.7
L152-17	L52-17	9.7
L152-27	L52-27	11.8
L152-28	L52-28	9.7
L152-31	L52-31	9.7
L152-01	L52-01	9.7
L152-11	L52-11	11.3
L152-37	L52-37	11.3
L152-05	L52-05	9.7
L152-12	L52-12	11.3
L152-13	L52-13	9.7
L152-15	L52-15	11.3
L152-18	L52-18	11.3
L152-18st	L52-1851	11.3
L152-1852	L52-1852	11.3
L152-23	L52-23	11.3
L152-25	L52-25	11.3
L152-34	L52-34	11.3
L152-56	L52-56	11.8

Machine	e model	Needle (A) height
	L52-260/504	10.4
L152-1751	L52-1751	9.7
L152-180	L52-180	9.7
L152-350P1	L52-350P1	9.7
L152-351	L52-351	11.3
L152-57 P1	L52-57 P2	9.7
L152-52P1	L52-52 P1	9.7
L152-31 P1	L52-31 P1	9.7
L152-34P1	L52-34P1	11.3

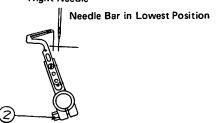
Machin	lebom e	Needle(A) height
L 132-05	L 32-05	10.5
L 132-07	L 32-07	10.6
L 132-30	L 32-30	10.5
L 132-36	L 32-36	10.6
L 132-31	L 32-31	10.6
L 132-38	L 32-38	10.6
L 132-70	L 32-70	10.6
L 132-86	L 32-86	12.0
L 132-91	L 32-91	11.2
L 132-48	L 32-48	10.1
L 132-78	L 32-78	10,1
L 132-550	L 32-550	10,6
L 132-551	L 32-551	10.6
L 132-355	L 32-355	12.0
L 132-359	L 32-359	12.0
L 132-555	- 32-555	12.0
L 132-559	L 32-559	12.0

Setting Lower Looper (L52 1-Needle L32)





Right Needle



(54) Remove the needle plate.

(55) Fit the lower looper (B) in the lower looper lever (A) so that it touches pin (C). Fit the thread guide (D) and tighten screw (1) securely. Fit this assembly onto the lower looper drive shaft.

(56) (L52 Single Needle + L32)
Turn the pulley and raise the needle to 3-3.5mm above its lowest position. Move the looper so that its tip is behind the centerline of the needle and that the clearance between them is 0mm. Lightly tighten screw (2).
8mm Spanner.

(57) (L52 Single Needle L32)

Turn the pulley by hand until the looper is in its extreme left position. Set the distance between the tip of the looper to the centerline of the needle to the distance shown in the table on the next page.

Tighten screw (2).

orh the library of: Superior_Şewing Machine & Supply

Machin	e model	Left (B) looper
L152-24	L52-24	4.6
L152-1652	L52-1652	4.6
L152-17	L52-17	4.6
L152-27	L.52-27	3.9
L152-28	L52-28	4.6
L152-31	L52-31	4 6
L152-01	L52-01	4 6
L152-11	L52-11	4.3
L152-37	L52-37	4.3
L152-05	L52-05	4.6
L152-12	L52-12	4.3
L152-13	L52-13	4.6
L152-15	L52-15	4.3
L152-18	L52-18	4.3
L152-1851	L52-1851	4 3
L152-18s2	L52-1852	4.3
L152-23	L52-23	4.3
L152-25	L52-25	4.3
L152-34	L52-34	4.3
L152-56	L52-56	3.9

Machine model		Left (8) looper
	L52-260 504	3.9
L152-17s1	L52-1751	4.6
L152-180	L52-180	4.6
L152-350	L52-350	4.6
L152-351	L52-351	4.3
L152-57 07	L52-57 07	4.6
L152-52	L52-52	4 6
L152-31	L52-312	4.6
L152-34	L52-34	4.3

Machine model		Left (B)
L 132-05	L 32-05	3.9
L 132-07	L 32-07	3.9
L 132-30	L 32-30	3.9
L 132-36	- 32-36	3.9
L 132-31	L 32-31	3.9
L 132-38	L 32-38	3.9
L 132-70	L 32-70	3.9
L 132-86	L 32-86	3.9
L 132-91	L 22-91	3.9
L 132-48	L 32-48	3.9
L 132-78	L 32-78	3.9
L 132-550	L 32-550	3.9
L 132-551	L 32-551	3.9
L 132-355	L 32-355	3.9
L 132-359	L 32-359	3.9
L 132-555	L 32-555	3.9
L 132-559	L 32-559	3.9

Setting Lower Looper (L52 2-Needle)



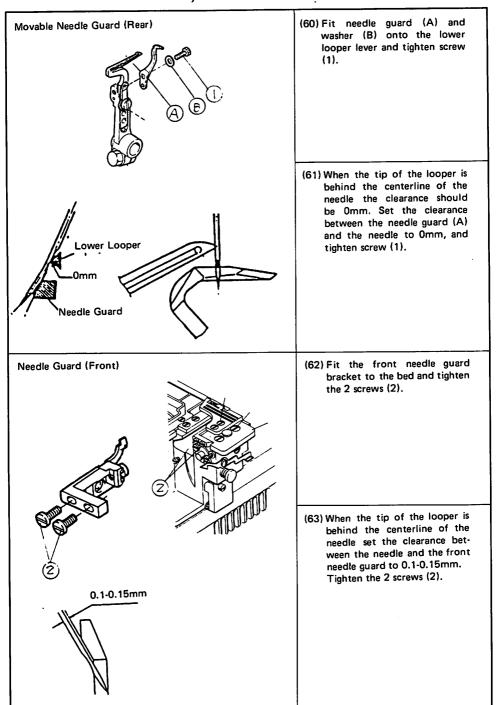


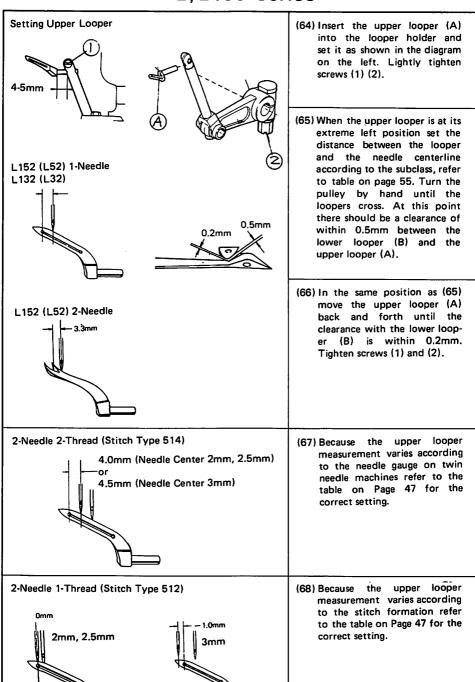
(58) (L52 Twin Needle)

Turn the pulley and raise the needle to 3-3.5mm above its lowest position. Move the looper so that its tip is behind the centerline of the left needle and that the clearance between them is 0mm. Turn the pulley by hand and check that the clearance between the right needle and looper is also 0mm. Lightly tighten screw (1).

(59) (L52 Twin Needle)

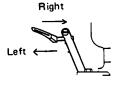
Turn the pulley by hand until the looper is inits extreme left position. Set the distance between the tip of the looper and the centerline of the needle to the correct distance shown in the table above. Tighten screw (1) securely. Recheck the needle height and tighten screw (1) of page 50 securely.

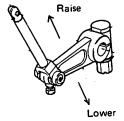




rorh the library of: Superior_Şewirlg Machine & Supply'Ll

Upper Looper Adjustment Method







39) With the upper looper in its extreme left position move the upper looper lever up and down to set the distance (A).

When the 2 loopers cross pull the upper looper out or push it in to set the clearance (B).

For fine adjustments: Upper looper

B A
Clearance Distance

Push in (to the right) Decrease Decrease

Pull out (to the left) Increase Increase

Upper looper lever

Raise Increase Increase Lower Decrease Decrease

In this way by moving the upper looper or the upper looper lever a little make the correct adjustment for your machine.

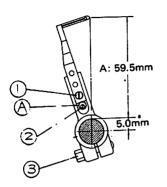
- 4			
	Machine	model	Right (C)
1	L152-24	L52-24	3.3
	L152-1652	L52-16s2	3.3
	L152-17	L52-17	3.3
	L152-27	L52-27	3.3
	L152-28	L52-28	3 3
	L152-31	L52-31	3.3
	L152-01	L52-01	3.3
	L152-11	L52-11	0
	L152-37	L52-37	0
-	L152-05	L52-05	4.0
	L152-12	L52-12	4.0
	L152-13	L52-13	4.0
	L152-15	L52-15	4.0
	L152-18	L52·18	4.0
	L152-1851	L52-1851_	40_
	L152-1857	L52-1852	4.0
	L152-23	L52-23	4.0
	L152-25	_L52·25	4.0
	L152-34	L52-34	1.5
	1 -134,38	1 -34'30	1 4.3

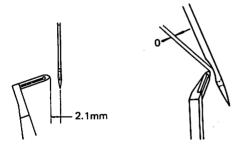
Machine model	Right (C) looper
L52-260 504	3.3
L152-17s1 L52-17s1	3.3
L152-180 L52-180	3.3
L152-350 1 L52-350 1	3.3
L152-351 P1 L52-351 P1	4.0
L152-57 PT L52-57 PT	3.3
L152-52 L52-52	4.0
L152-31 1 L52-31 P1	3.3
L152-34 L52-34 P7	4.0

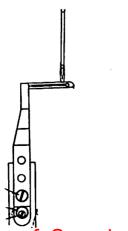
e model	Right (C) looper
L 32-05	3.3
L 32-07	3.3
L 32-30	3.3
L 32-36	3.3
L 32-31	3.3
L 32-38	3.3
L 32-70	3.3
L 32-86	3.3
L 32-91	3.3
L 32-48	3.3
L 32-78	3.3
L 32-550	3.3
L 32-551	3.3
L 32-355	4.0
L 32-359	0
L 32-555	4.0
L 32-559	0
	L 32-05 L 32-07 L 32-30 L 32-36 L 32-31 L 32-31 L 32-38 L 32-79 L 32-48 L 32-78 L 32-78 L 32-550 L 32-555 L 32-555 L 32-555 L 32-555

rom the library of: Superior_Sewing Machine & Supply Ll

Setting Double Chainstitch Looper







(70) (L32)

Replace the double chainstitch looper in holder so that it touches looper regulating washer (A).

Tighten screw (1) securely. Fit the looper lever onto shaft and lightly tighten screw (3). N.B. The looper should be adjusted to 59.5mm as shown.

(71) Fit the double chainstitch needle (left hand). Turn the pulley and raise the needle to 3mm above its lowest position. Move the looper by hand so that its tip is behind the centerline of the needle and set the clearance between them to 0mm.

Lightly tighten screw (3).

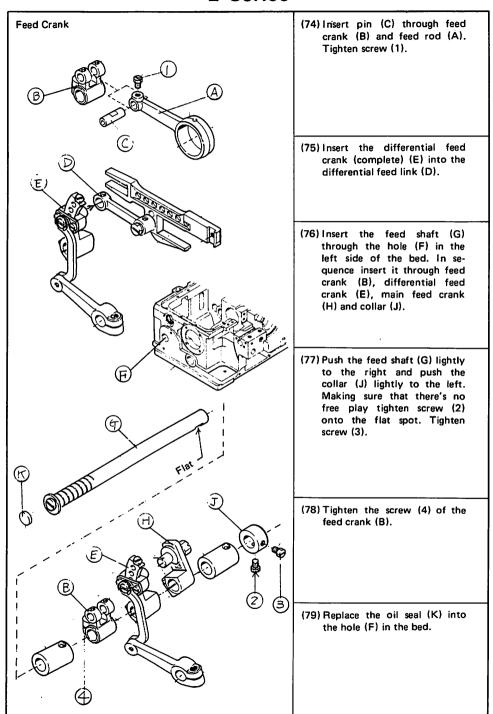
(72) Turn the pulley and move the looper to its extreme left position. Set the distance between the tip of the looper and the center line of the needle to 2.1mm.

Tighten screw (3) securely.

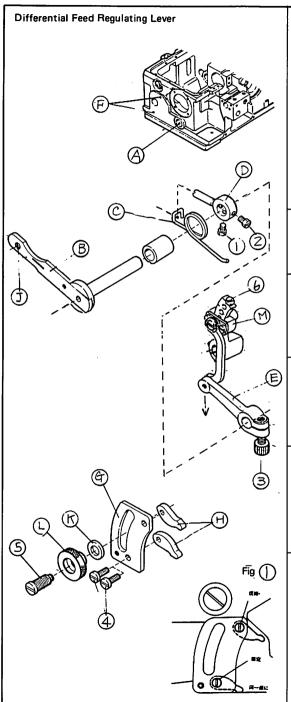
(73) When the looper starts moving from its extreme right hand position to the left check that at any given point the clearance between the rear of the looper and the left hand needle is Omm.

Caution: If the clearance is too large or if the needle touches the rear of the looper at any point then refer to Page 82 No. 168 and readjust the looper avoiding motion.

rom the library of: Superior_Sewing Machine & Supply LI

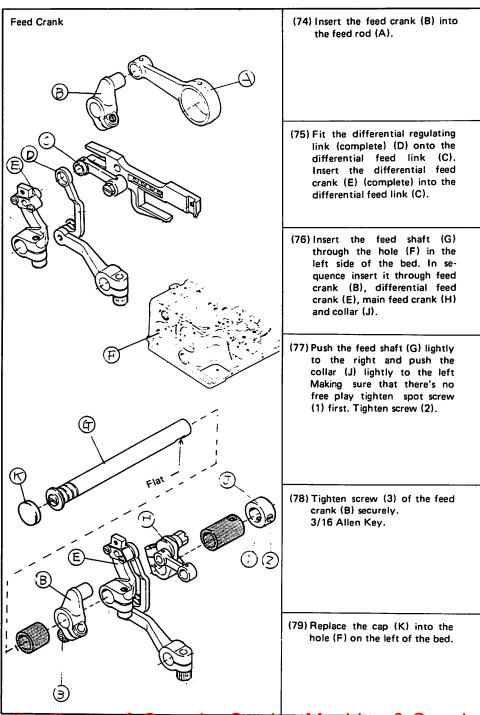


rom the library of: Superior_<u>Sewing Machine & Supply Ll</u>

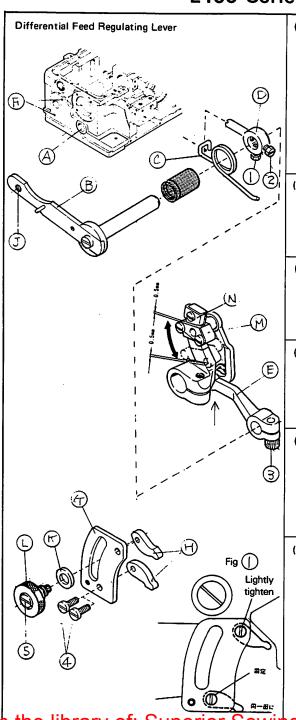


- (80) Insert the differential feed regulating shaft (B) into the hole (A) in the left of the bed. Insert it through the spring (C) the thrust collar (D) and the differential feed regulating lever (E). Push the lever (B) to the right and push the collar (D) to the left. Making sure that there's no free play tighten the spot screw (1) first. Tighten screw (2).
- (81) Pull lever (E) in the direction of the arrow and lightly tighten screw (3). 3/16 Allen Key.
- (82) Align the lever guide (G) and the lift guides (H) with the holes (F) in the bed, refer to Fig. 1 and lightly tighten screws (4).
- (83) Fasten the washer (K) and thumb nut (L) into the hole (J) of lever (B) with screw (5) so that the thumb nut (L) can turn smoothly.
- (84) Loosen screw (3). Push lever (B) fully down and tighten nut (L). Pull lever (E) in the direction of the arrow and tighten screw (3) securely.
- (85) Loosen nut (L) and move the lever (B) to its highest position. Keeping a gap between the screw (6) of the differential feed crank and the adjusting block (M) tighten nut (L). Move the upper lift guide (H) until it touches the lever (B). Fasten screw (4) securely.

rom the library of: Superior_Sewing Machine & Supply Ll



rom the library of: Superior_Şewing Machine & Supply Ll

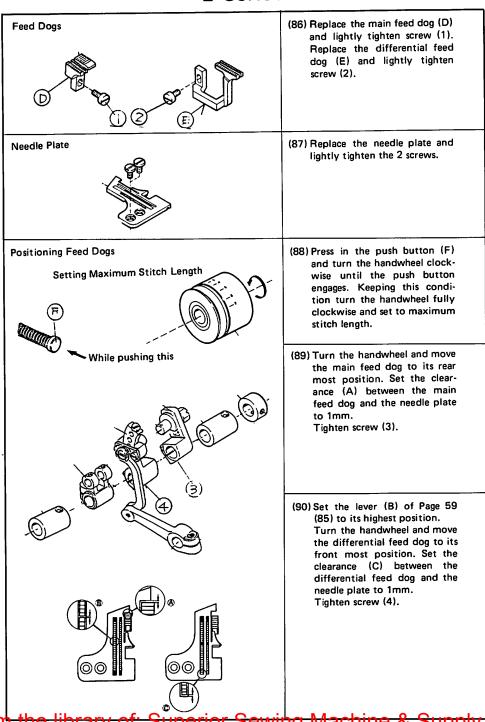


(80) Insert the differential regulating lever (B) into the hole (A) in the left of the bed.

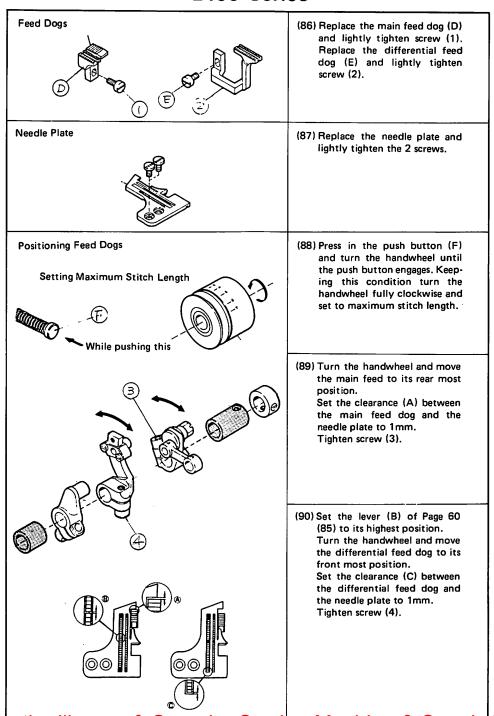
Insert it through the spring (C) the thrust collar (D) and the differential feed regulating lever (E). Push lever (B) to the right and push the collar (D) to the left. Making sure that there's no free play tighten the spot screw (1). Tighten screw (2).

- (81) Push the regulating lever (E) upwards. Align the lever (B) with the cap (K) of Page 59 (79) and tighten screw (3).
- (82) Align the lever guide (G) and the left guides (H) with the holes (F) in the bed, refer to Fig. 1 and lightly tighten screws (4).
- (83) Fasten the washer (K) and thumb nut (L) into the hole (J) of lever (B) with screw (5) so that the thumb nut (L) can turn smoothly.
- (84) Loosen screw (3). Push lever (B) down and tighten thumb nut (L). Push lever (E) upwards 0.5mm from its lowest position and tighten screw (3).
- (85) Loosen thumb nut (L). Lift the lever (B) upwards and keeping a small clearance between the adjusting block (M) and stopper (N) tighten thumb nut (L). Move the upper lift guide (H) until it touches the lever (B) and fasten the screws (4) securely.

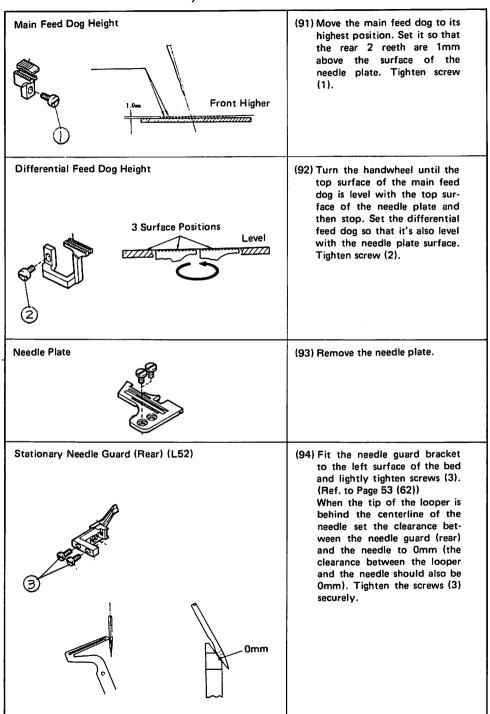
1 the library of: Superior Sewing Machine & Supply



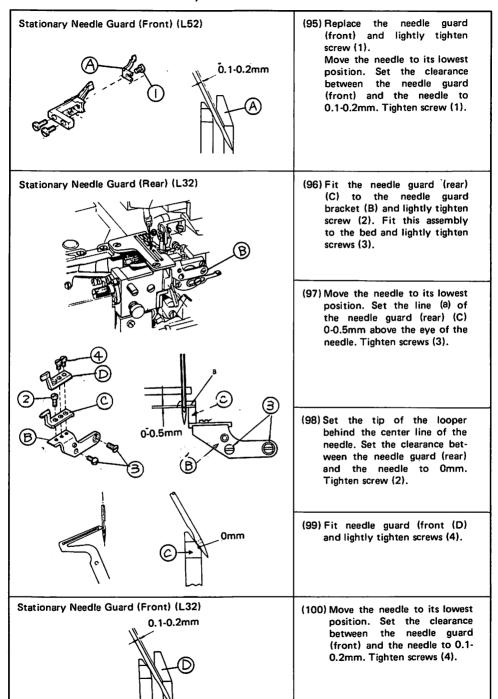
r Sewing iviachine & Supply



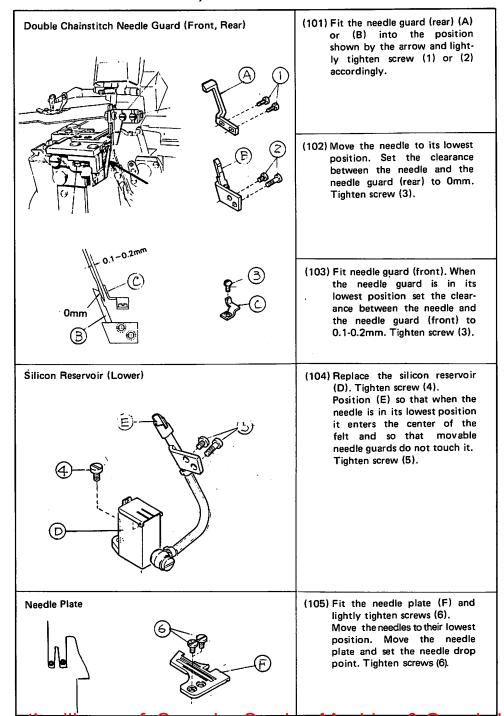
rom the library of: Superior Sewing Machine & Supply LI



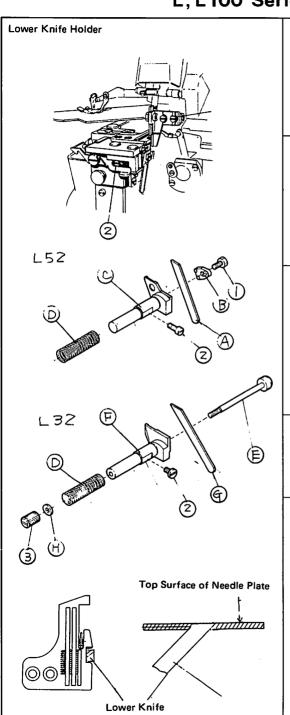
rom the library of: Superior_Sewing Machine & Supply



rom the library of: Superior Sewing Machine & Supply LL



rom the library of: Superior_Sewing Machine & Supply LL



(106) (L52)

Fit the lower knife (A) and the lower knife clamp (B) to the lower knife holder (C). Lightly tighten screw (1).

(107) (L52)

Insert the spring (D) and the lower knife holder (C) into the hole in the bed.

With the lower knife (A) lightly touching the needle plate tighten screw (2).

(108) (L32)

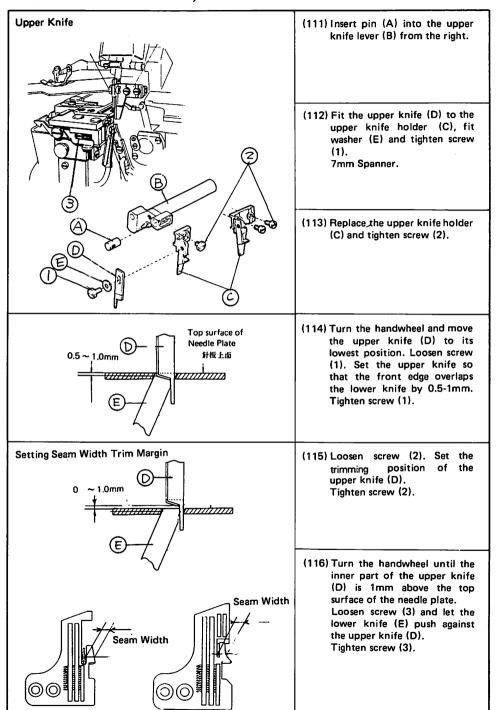
Insert the spring (D) and the lower knife holder (F) into the bed. Insert the lower knife clamp pin (E) into the lower knife holder (F). Fit the lower knife (G) into the clamp pin (E). With the lower knife (G) lightly touching the needle plate tighten screw (2).

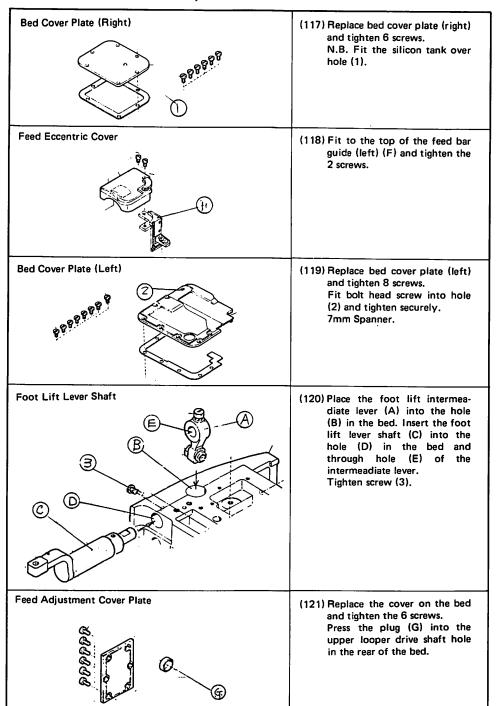
(109) (L32)

Place washer (H) onto the protruding end of clamp pin (E) and tighten thumb nut (3).

(110) Slightly loosen screw (1) or thumb nut (3). Set the lower knife (A) or (G) so that it is level with the top surface of the needle plate.

Tighten screw (1) or thumb nut (3) securely.
7mm Spanner.

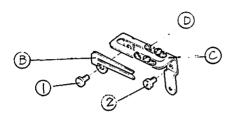


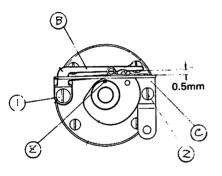


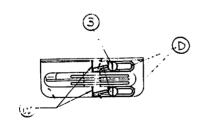
rorh the library of. Superior_Sewing Machine & Supply'LL

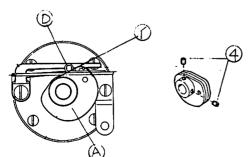
Double Chainstitch Looper Thread Takeup/Bracket





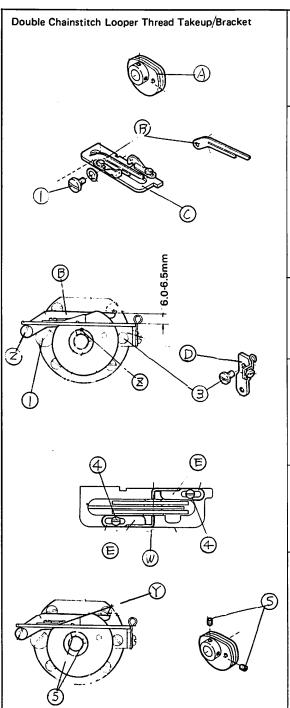




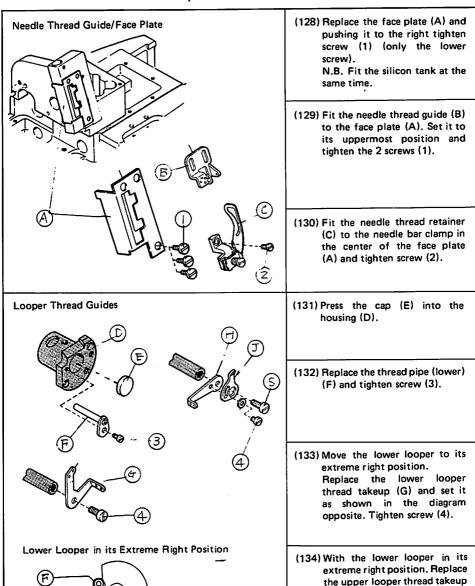


- (122) Place the looper thread takeup (A) onto the crankshaft extension. (Ref. Page 30 (2))
- (123) Fit the thread guide (B) and the thread guide bracket (C) together and tighten screws (1) and (2). The thread guide (B) should pass through the center of the slot in the takeup (A).
- (124) Move the thread guide bracket (C) to its lowest position. Make sure that the bracket doesn't touch the point (Z) of the thread takeup (A) and that the bracket is level. Tighten screw (2).
- (125) Set the clearance between the lower surface of the thread guide (B) and the upper surface of the thread guide bracket (C) to 0.5mm. Tighten screw (1).
- (126) Align the looper thread eyelets (D) with the lines (W). Tighten the 2 screws (3).
- (127) When the looper is at its extreme right position (the needle at its highest point) set the surface (Y) of the takeup (A) so that it is just beneath the hole of the thread eyelet (D). Tighten the 2 screws (4).

rom the library of: Superior Sewing Machine & Supply LL

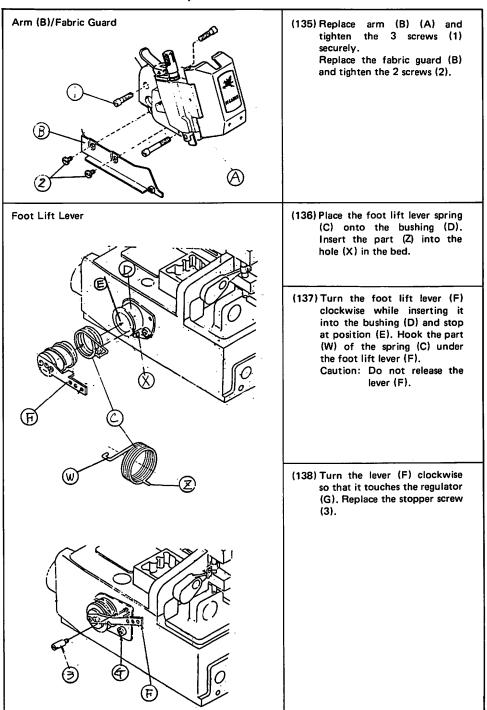


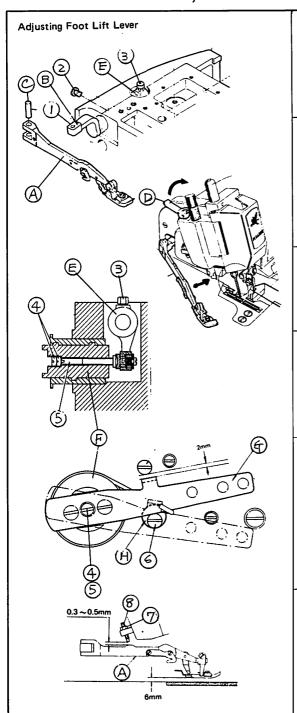
- (122) Place the looper thread takeup (A) onto the crankshaft extension (Ref. Page 42 (3)).
- (123) Fit the thread guide (B) to the thread guide bracket (C) with screw (2). Fit this assembly to the bed so that guide (B) passes through the center of the slot in takeup (A), Move the bracket (C) to its lowest position. Make sure that the bracket (C) doesn't touch the point (Z) of takeup (A) and that the bracket is level. Tighten screw (1).
- (124) Replace the looper thread takeup stopper (D) and align it with thread guide bracket (C). Tighten screw (2).
- (125) Set the top surface of the thread guide (B) 6-6.5mm above the surface of the thread guide bracket (C). Tighten screw (2).
- (126) Align the looper thread eyelets with the lines (W). Tighten the 2 screws (4).
- (127) Pass a piece of thread through the eyelets (E). When the looper is at its extreme right position (the needle at its highest point) set the surface (Y) of the takeup (A) so that it lightly touches the thread. Tighten the 2 screws (5).



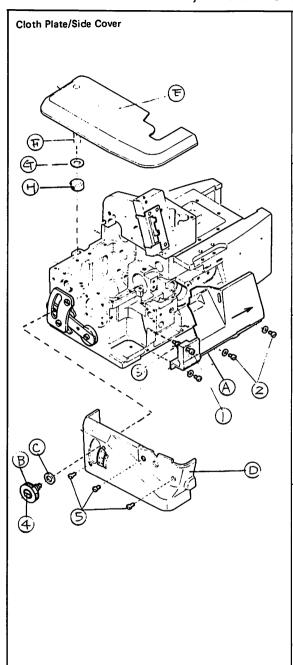
rom the library of: Superior Sewing Machine & Supply LI

(H) and (J) and set them as shown in the diagram opposite. Tighten the screws (4) and (5).





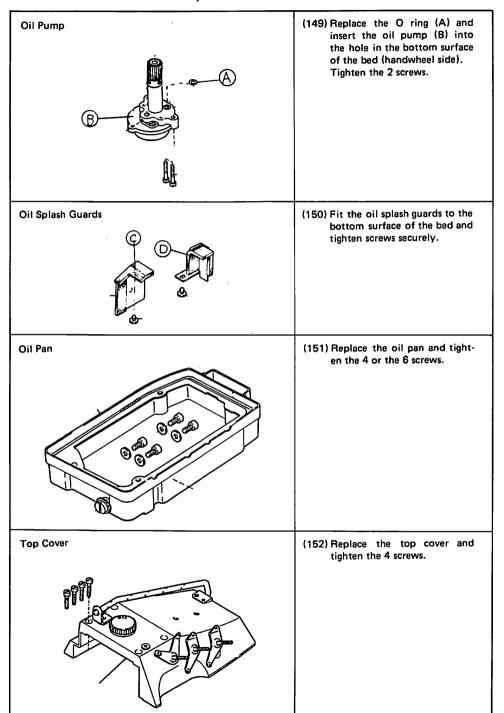
- (139) Replace the presser foot arm (A) on the foot lift lever shaft (B). Insert the pin (C) and tighten the screw (1) onto the flat spot.
- (140) Loosen screw (2). Pull the lever (D) upwards and swing the presser foot into place. Move the presser arm (A) left and right until the needle passes through the center of the needle drop point in the presser foot. Tighten screw (2) onto the flat spot.
- (141) Centrally align the intermeadiate lever (E) with the bushing (F) and tighten screw (3). Remove the 2 screws (4).
- (142) Adjust the screw (5) so that when the foot lift lever (G) is lowered 2mm the presser foot starts to rise from the surface of the needle plate. Replace and tighten the 2 screws (4).
- (143) Loosen screw (6). Lower the foot lift lever (G) until the presser foot is 6mm above the surface of the needle plate. Position the regulator (H) so that it touches the lever (G) and tighten screw (6).
- (144) Loosen nut (7). With the presser foot 6mm above the surface of the needle plate set the clearance between the presser arm (A) and the stopper screw 8 to 0.3-0.5mm and tighten nut (7).



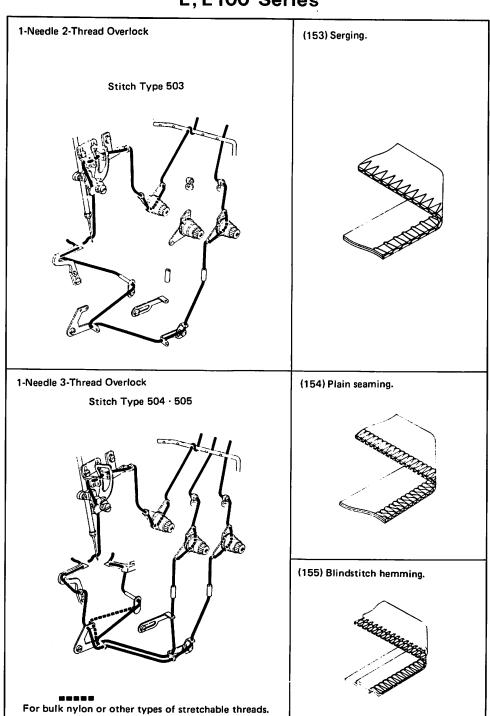
- (145) Holding the front cover (A) pull it forward and in the direction shown by the arrow so that it is in an opened condition. Partly screw in screw (1) then replace the 3 screws (2) together with their washers and tighten securely.
- (146) After fitting the front cover (A) it should move smoothly to the right or left and there shouldn't be any back and forth free play, adjust by screw (1) and tighten nut (3).
- (147) Loosen nut (B) and remove screw (4) together with washer (C).

Replace the side cover (D) and tighten the 3 screws (5). With the nut (B) in a free condition replace the washer (C) and tighten screw (4). Tighten nut (B).

(148) Insert the pin (F) of the cloth plate (E) through the washer (G) and into the bed. Insert the pin (F) through the collar (H). Ensuring that there aren't any gaps between the cloth plate (E), the bed and the collar (H) tighten the screws of collar (H) securely.



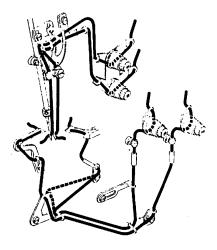
rom the library of: Superior Sewing Machine & Supply LI



on the library of: Superior <u>Ş</u>ewing Machine & Supply

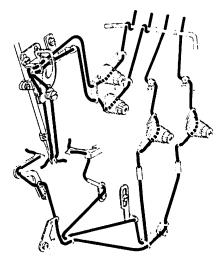
2-Needle 4-Thread Overlock

Stitch Type 512 \cdot 514 Does Not Include Machine Types L152–18_{S1}, 18_{S2}, 23

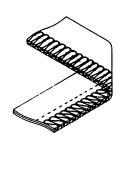


For bulk nylon or other type of stretchable threads.

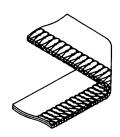
For Machine Types L152-18_{S1}, 18_{S2}, 23



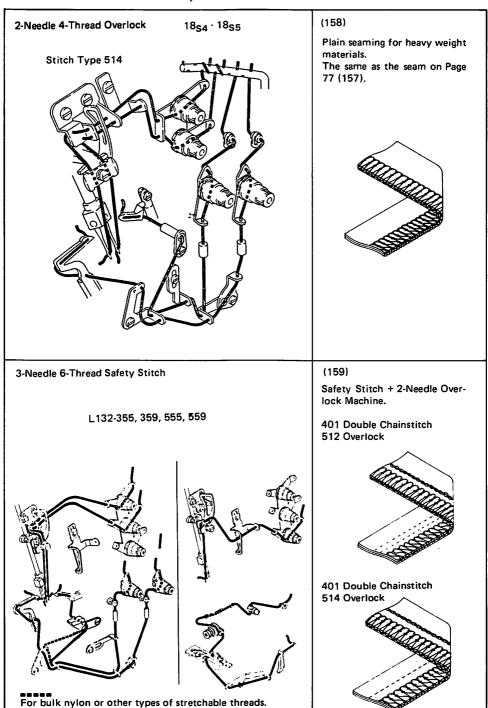
(156) Plain seaming.



(157) Plain seaming.



rom the library of: Superior_Sewing Machine & Supply

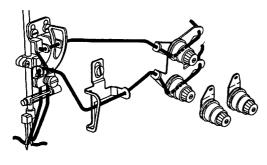


L100 Series

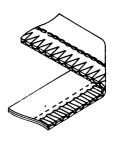
2-Needle 4-Thread Safety Stitch

Stitch Type 515

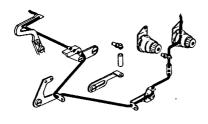
Needle Threads



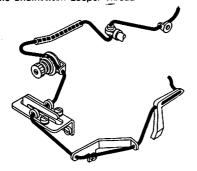
(160) Overlock seam is the same as the one on Page 76 (154).



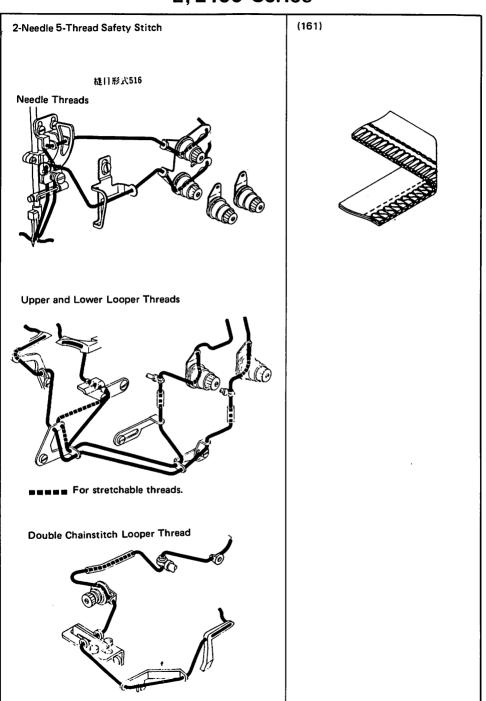
Left Looper Thread



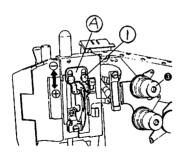
Double Chainstitch Looper Thread



rom the library of: Superior Sewing Machine & Supply I



Setting Needle Thread Guide

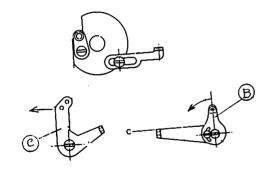


(162) Loosen the 2 screws (1).

If the needle thread guide (A) is lowered in the + direction then the amount of needle thread in the seam will in-

crease.
For blindstitch hemming or shirring operations set the needle thread guide to its lowest position.

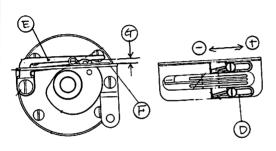
Setting Looper Thread Takeup



(163) If the thread takeup (B) is tilted to the left (in the direction of the arrow) then the amount of lower looper thread in the seam will increase.

(164) If the lower looper thread takeup (C) is tilted to the left in the direction of the arrow then the amount of upper and lower looper thread in the seam will increase.

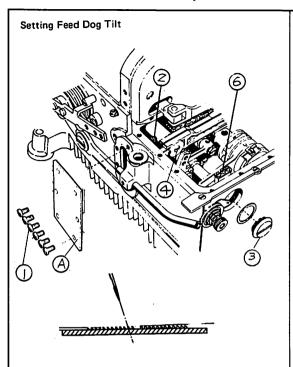
Setting Double Chainstitch Looper Thread Guide



(165) If the thread eyelets (D) are moved in the + direction then the amount of looper thread in the seam will increase.

(166) If the clearance (G) between the takeup guide (E) and the thread takeup bracket (F) is increased then the amount of looper thread in the seam will increase.

rom the library of: Superior Sewing Machine & Supply LL



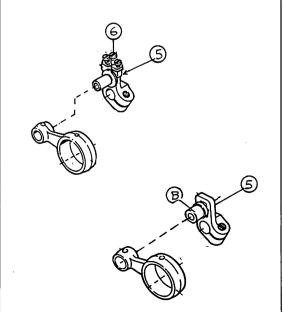
(167) Remove the 6 screws (1) and takeoff the feed adjustment cover plate (A).

Loosen screw (2). Remove the cap screw (3). If the adjustment screw (4) is turned anticlockwise then the front point of the feed dogs will rise (this enables the differential feed dogs to work more effectively on stretchy materials).

If the screw is turned clockwise then the front point of the feed dogs will be lowered, the feeds dogs will tilt forward (for non stretch materials which don't require a lot of differential feed).

Lightly push the adjustment screw (4) against the feed bars and tighten screw (2).

Double Chainstitch Looper Avoiding Motion Adjustment



(168) When the looper passes behind the needle or when the looper passes in front of the needle the clearance between the looper and the needle at these timer should be within 0-0.1 mm. Adjust if required.

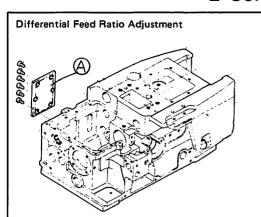
Loosen the nut (5) of the opposite diagram.

If the adjustment screw (6) is turned clockwise then the looper avoiding motion will decrease. If the screw is turned anticlockwise then the avoiding motion will increase.

Or if the pin (B) is moved upwards then the avoiding motion will decrease, if the pin is lowered then the avoiding motion will increase.

Tighten nut (5) securely.

L Series

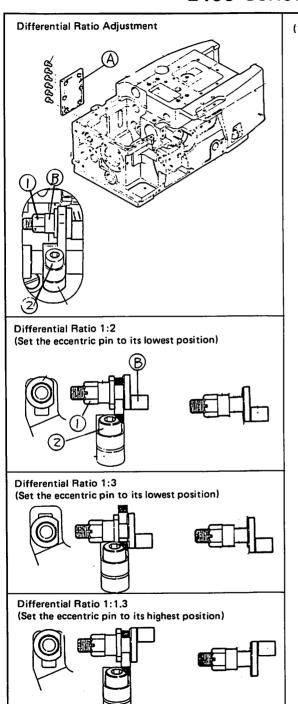


(169) Remove the feed adjustment cover plate (A) and loosen nut (4). Set the position of the crank pin (C) and tighten nut (1). Take off the feed eccentric cover (Ref. Page 14) when altering the position of stopper (B) (Ref. Page 31). When changing crank (D) remove the feed shaft (Ref. Page 11) and make the change.

Main Feed Dog Movement.

	Wall Feed Dog Woverhell		
Diff. Feed Ratio	Feed Eccentric Stopper	Main Feed Regulating Crank	Feed Drive Crank
1:2	Eccentric Movement 1.4mm	Highest position Pitch 23.0mm *3.74mm	
1: 1.3 (Jeans)		Halfway position Pitch 20.9mm *5.00mm	(Pitch 17.5mm)
1:3 (Shirring)	Pin (3)	Lowest position Pitch 12.2mm *3.31mm	
1:1.5 (Serging)	Eccentric Movement 2.0mm ¹	Highest position Pitch 23.0mm *6.03mm	(Pitch 15.5mm)

L100 Series

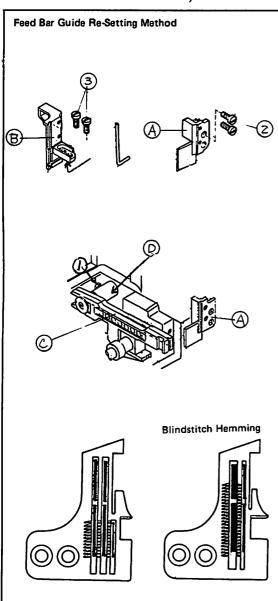


(169) Remove the feed adjustment cover plate and loosen nut (1). Set the eccentric pin (B) to the designated position and tighten nut (1).

Cauton: In cases where the position of nut (1) is bad and a spanner (8mm) cannot be used. Loosen the crank screw (2), then the spanner can be fitted.

When the screw (2) is loosened the position of the main feed dog must be readjusted (Refer to Page 62 (88, 89)).

N.B. The position of the eccentric (B) varies according to the differential ratio.



(170) First complete operations up to Page 47 (40).

Replace the feed bar guide (right) (A) and guide (left) (B) and lightly (Ref. Page 48 Fasten Fixing Screws

Ref. Page 48 (41).

(171) After the operations from page 48 (43) to page 50 (50) have been completed fit the main feed dog and the differential feed dog (Ref. Page 68 (86)).

(172) Make and complete the operation (51) (52) of page 50. Loosen screw (1). Lightly

Loosen screw (1). Lightly push the feed bar (C) against the feed bar guide (D). Position the main and dif-

ferential feed dogs in a straight line in the center of the needle plate slots. Move the feed bar guide (right) (A)

Tighten the 2 screws (2).

N.B. For blindstitch hemming machines.

lightly against the feed bars.

Position the main and differential feed dogs in a straight line to the right of the needle plate slots. Move the feed bar guide (right) (A) lightly against the feed bars. Tighten the 2 screws (2).

(173) Push the feed bars (C) lightly to the right and tighten screw (1). Lightly push the feed bar guide (left) (B) towards the guide (right) (A). Tighten the screws (3) so that the feed bars can move back and forth smoothly but without any sideways free play. Start operation (42) of Page 48.

MEMO

rom the library of: Superior Sewing Machine & Supply LLO

