



Ujamoto

**ENGINEERING
HAND BOOK**

KONDO SEWING MACHINE CO., LTD.

From the library of: Superior Sewing Machine & Supply LLC

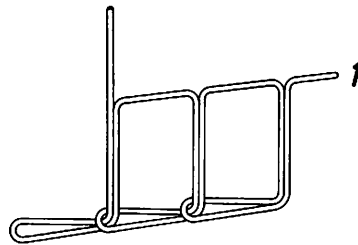
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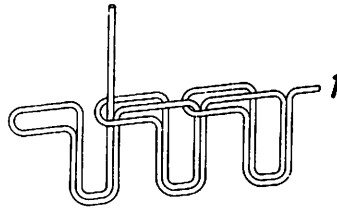
1. General Specifications for Stitches and Seams

1-1 Class 100 (Chain Stitches)

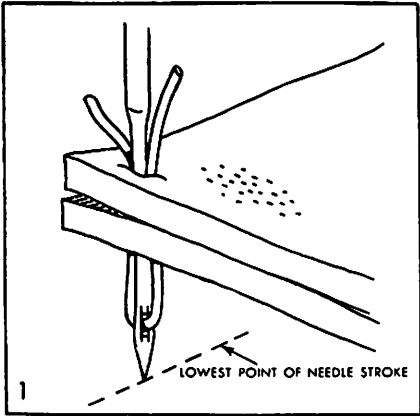
Stitch type 101



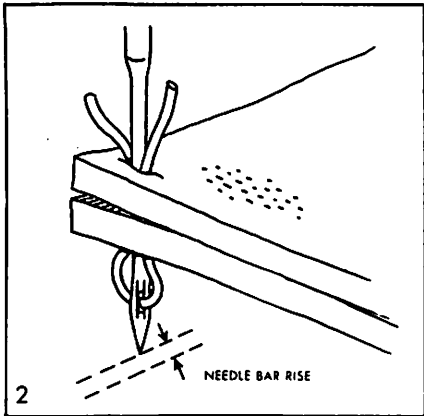
Stitch type 104



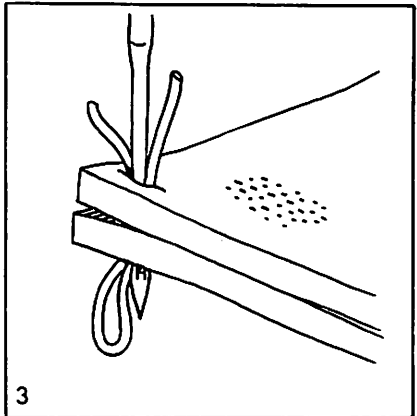
Formation of a Single Thread Chainstitch (Stitch Type 101)



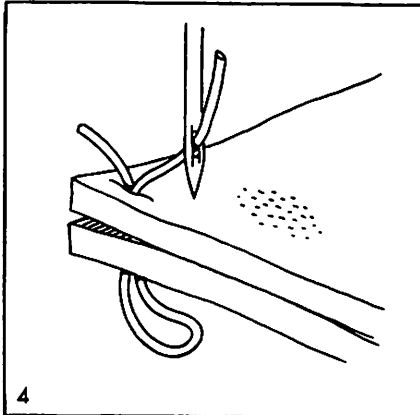
Needle is at lowest point of stroke



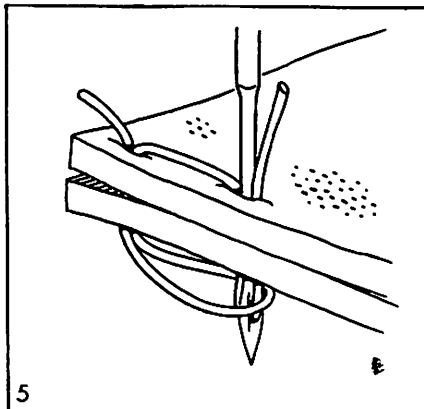
Needle rises to form loop



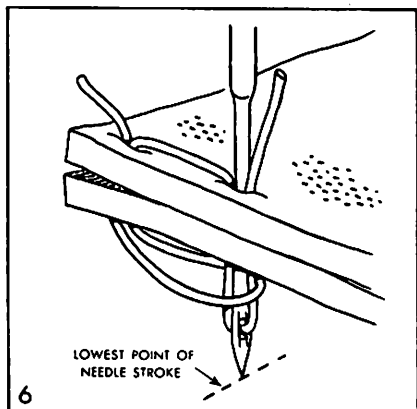
Loop is enlarged



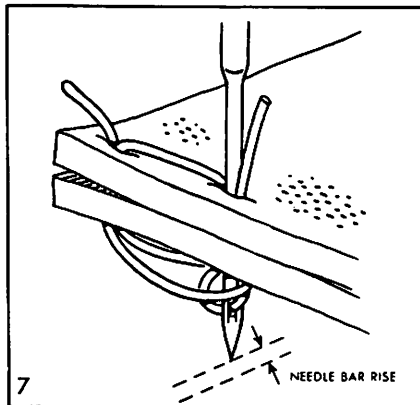
Feed moves material to next stitch position



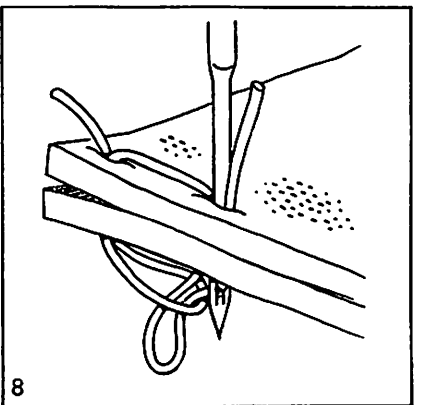
Needle descends through previous loop



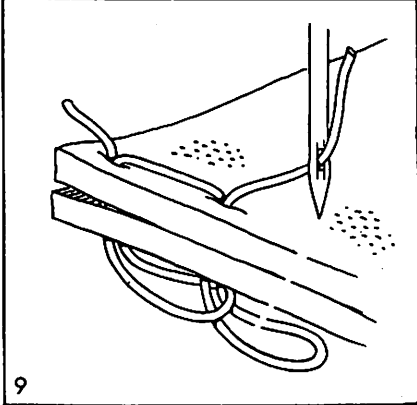
Needle is at lowest point of stroke



Needle rises to form loop



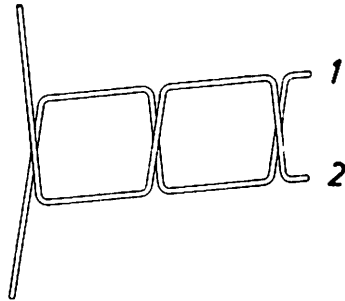
Loop is enlarged



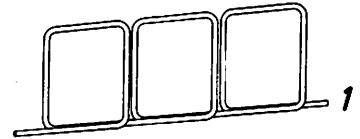
Feed moves material to next stitch position

1-2 Class 200 (Hand-Formed Stitches)

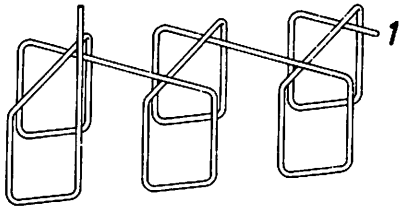
Stitch type 201



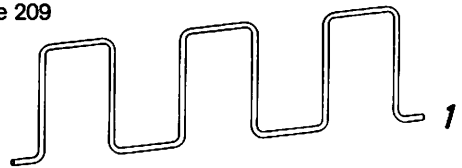
Stitch type 202



Stitch type 204

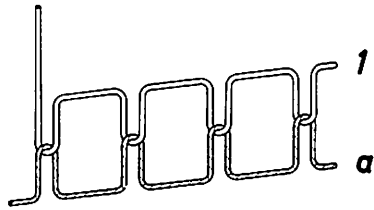


Stitch type 209

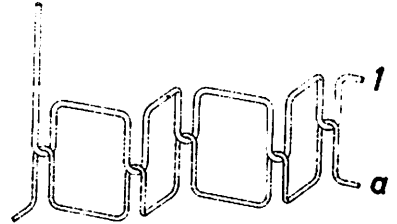


1-3 Class 300 (Lock Stitches)

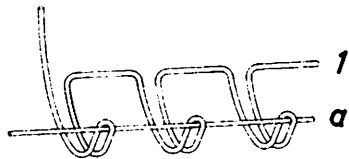
Stitch type 301



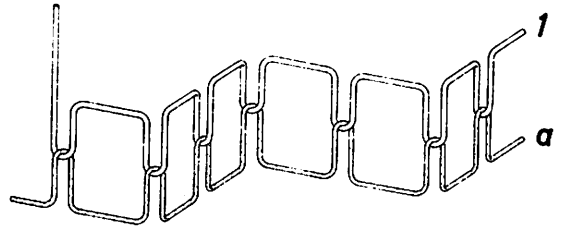
Stitch type 304



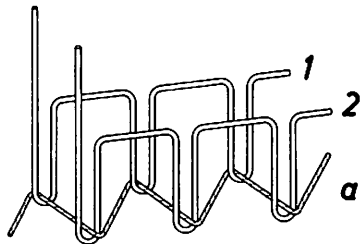
Stitch type 306



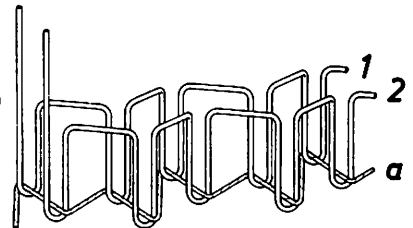
Stitch type 308



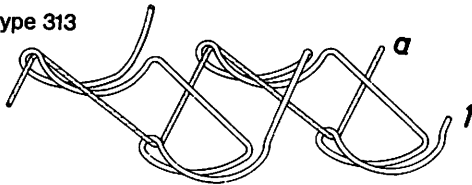
Stitch type 309



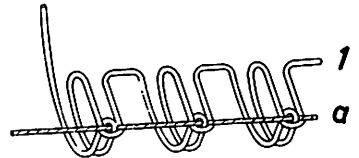
Stitch type 310



Stitch type 313



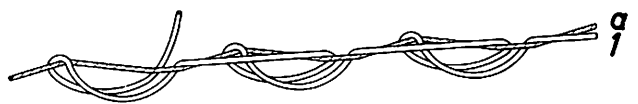
Stitch type 314



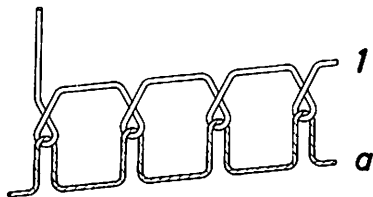
Stitch type 317



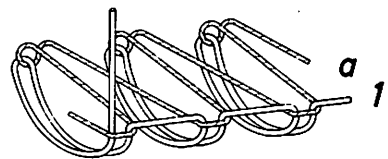
Stitch type 318



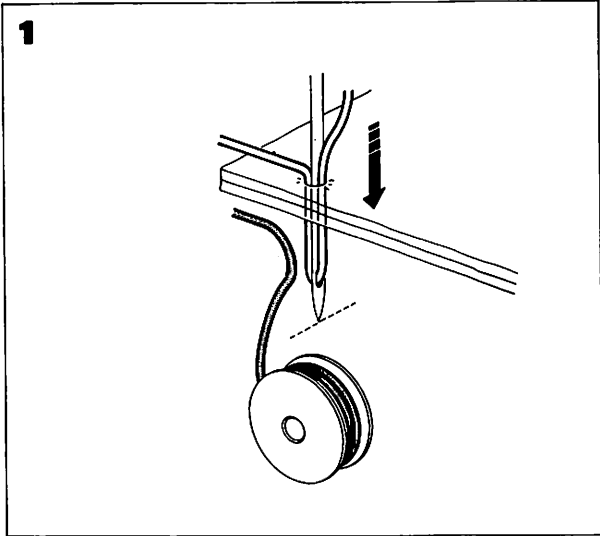
Stitch type 319



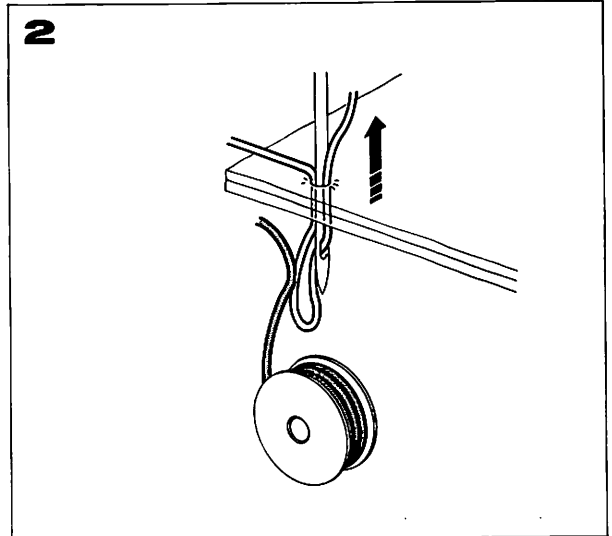
Stitch type 320



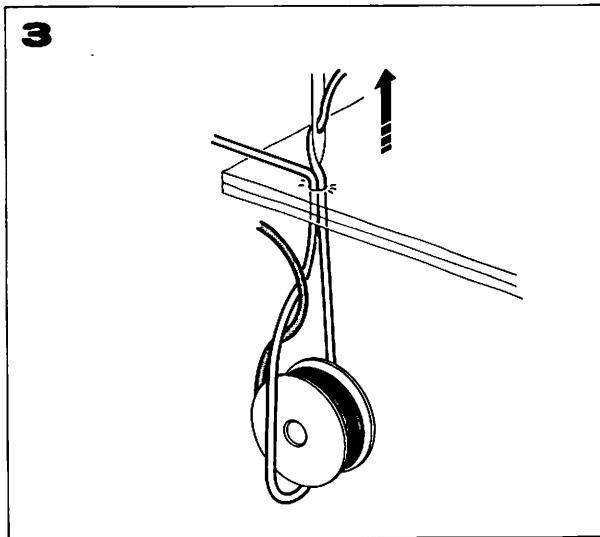
Formation of a Lockstitch



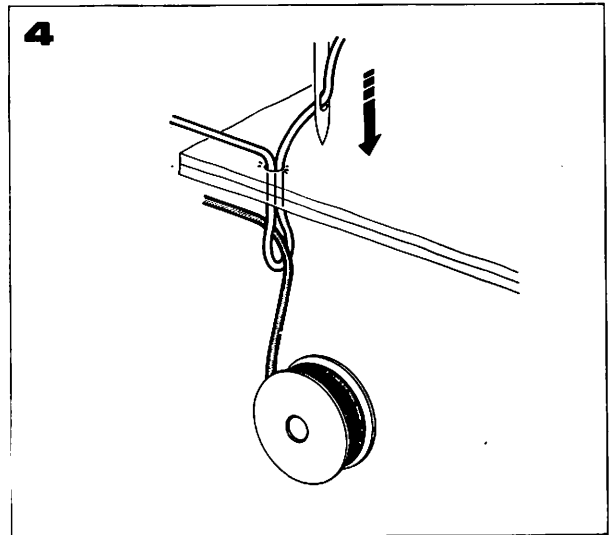
Needle is at lowest point of stroke



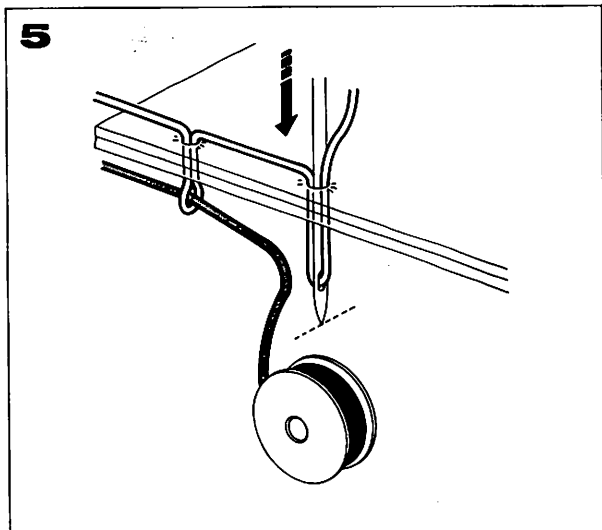
Loop is enlarged



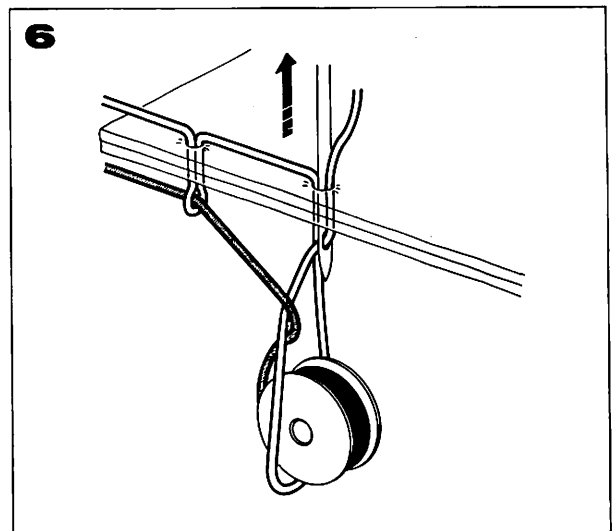
Loop is passed around bobbin



Feed moves material to next stitch position



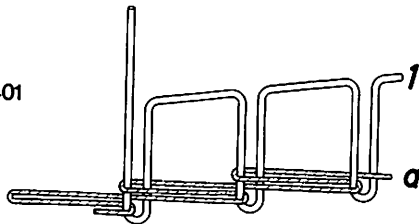
Needle descends to lowest point of stroke



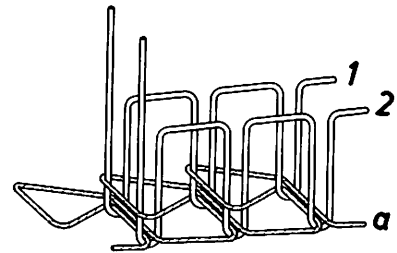
New loop has been formed and is passing around bobbin

1-4 Class 400 (Double Locked Stitches)

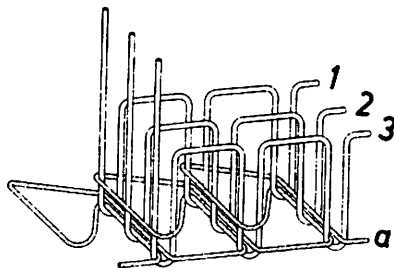
Stitch type 401



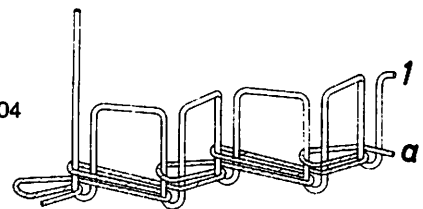
Stitch type 402



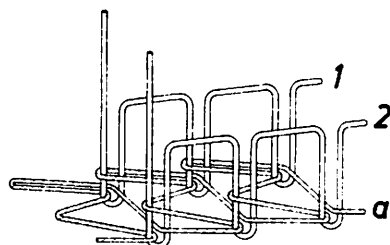
Stitch type 403



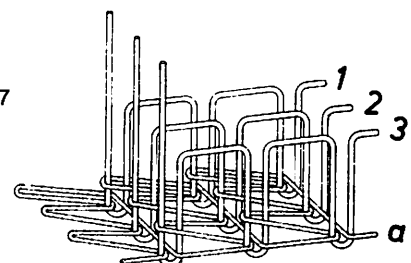
Stitch type 404



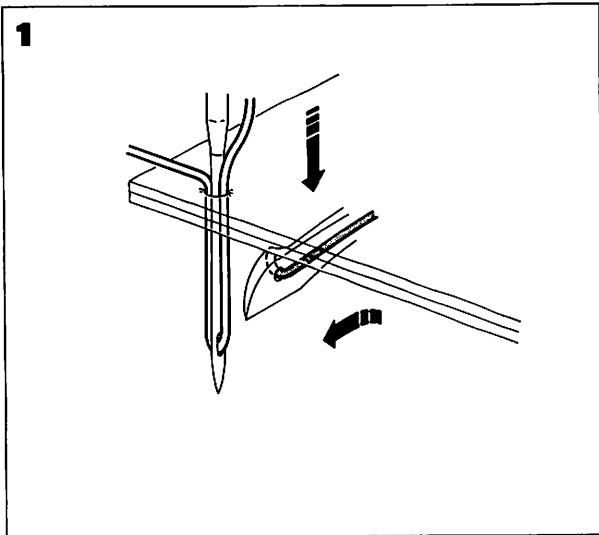
Stitch type 406



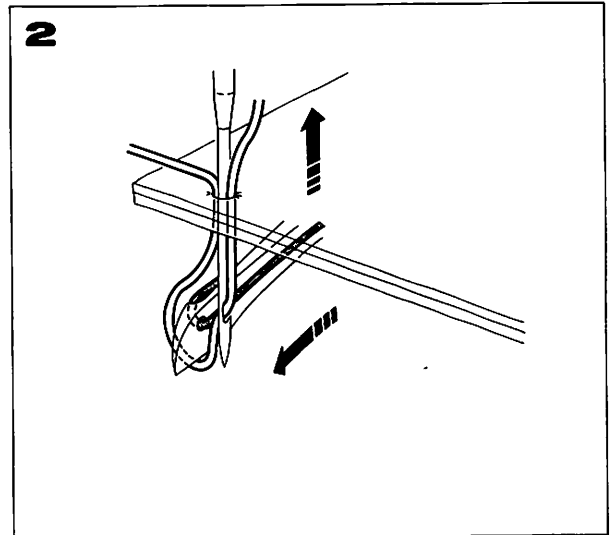
Stitch type 407



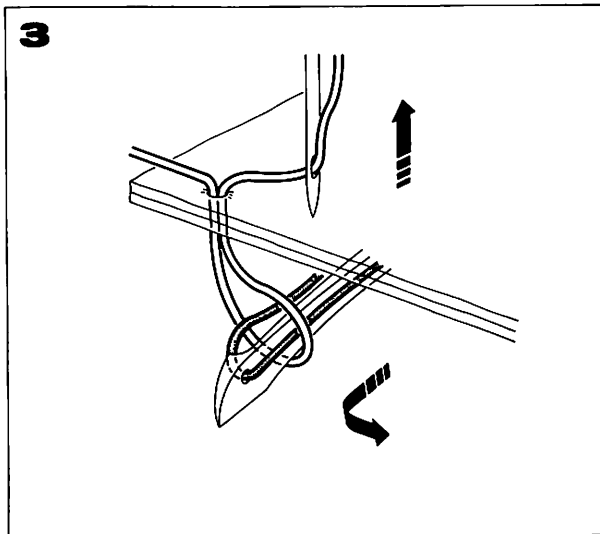
Formation of a Two-Thread Chainstitch



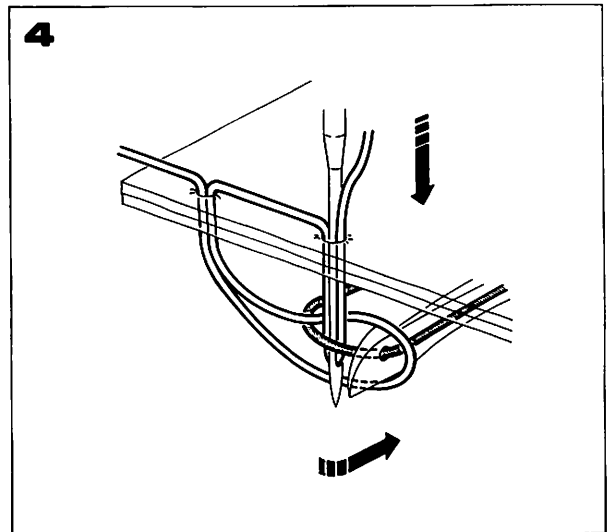
Needle is at lowest point of stroke



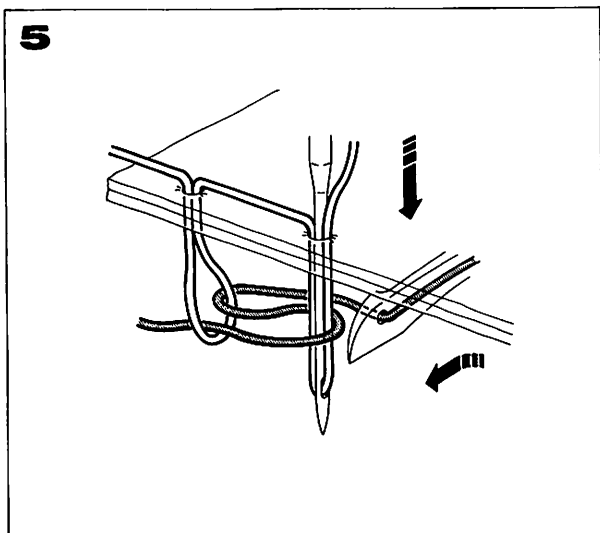
Needle rises to form loop. Loper enters needle thread loop



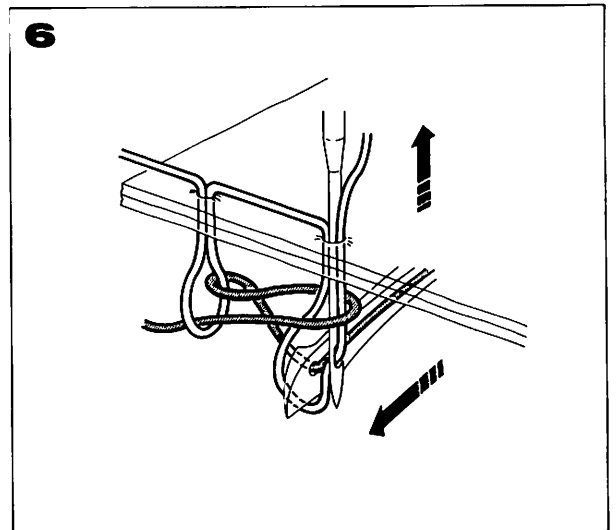
Feed moves material to the next stitch position and looper swings to other side of needle with avoiding motion



Needle descends through triangle

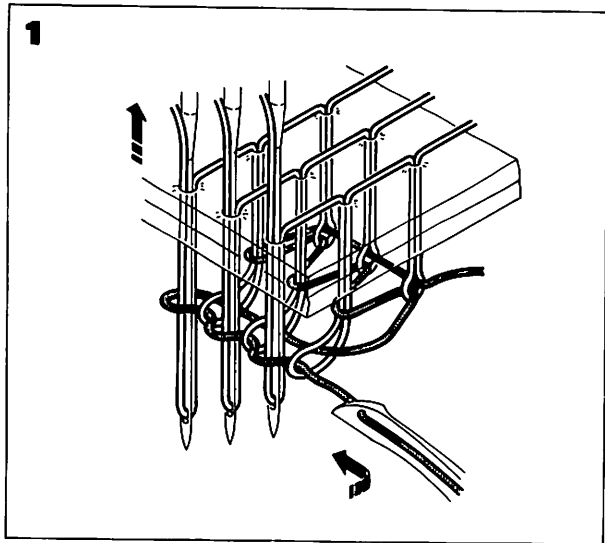


Needle is at lowest point and looper has shed needle thread loop

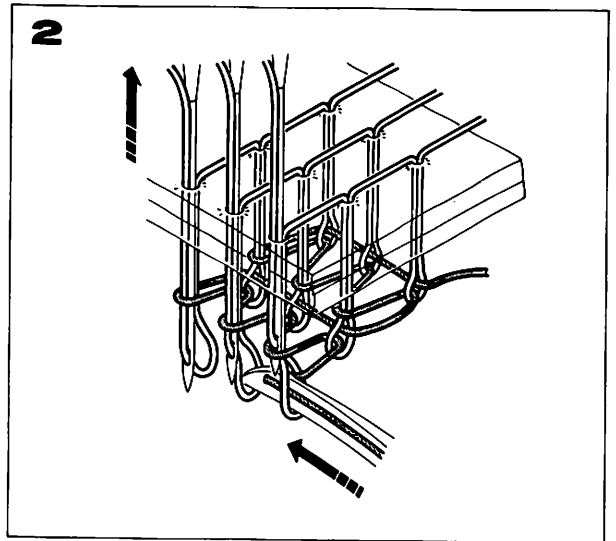


Needle rises and looper enters needle thread loop

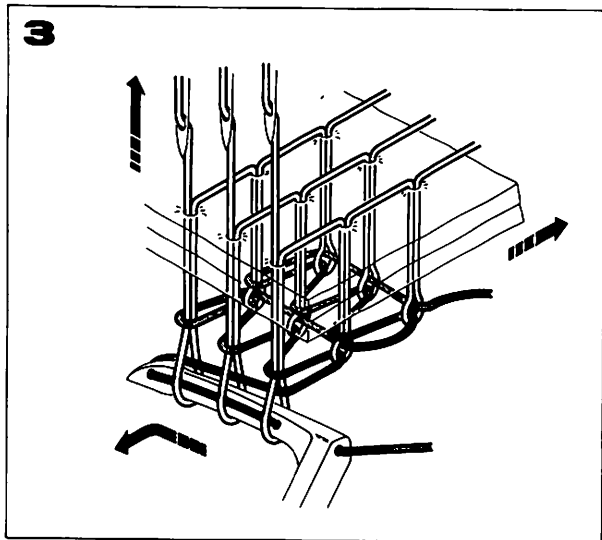
Formation of a Four-Thread Chainstitch



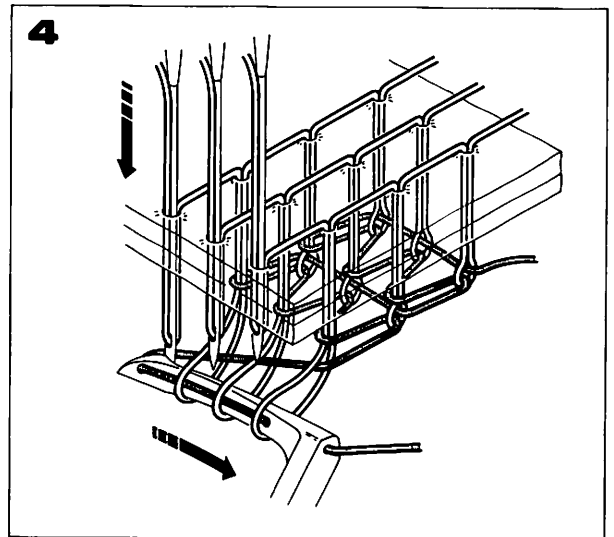
Needles rise to form loop. Loper starts forward



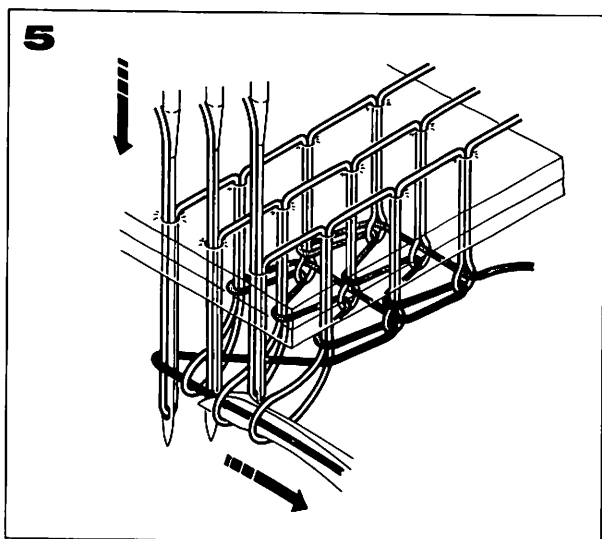
Looper enters needle thread loop



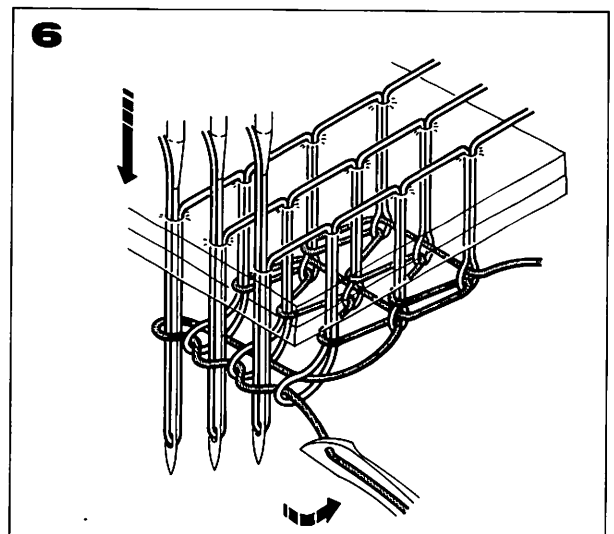
Feed moves material to the next stitch position and looper swings to other side of needle with avoiding motion



Needle descend through triangle



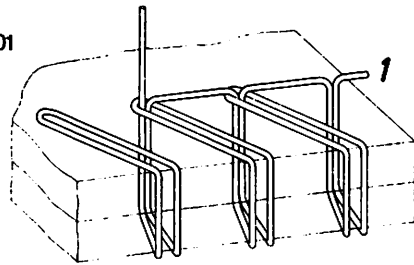
Looper is shedding Needle thread loop



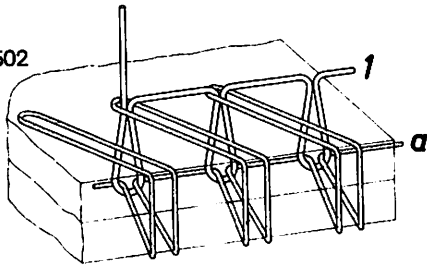
Needles are at lowest point of stroke. Loper is all the way back

1-5 Class 500 (Overedging Stitches)

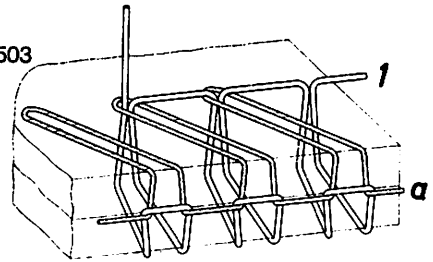
Stitch type 501



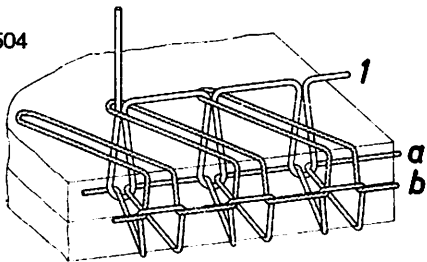
Stitch type 502



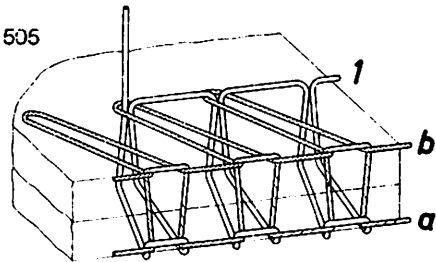
Stitch type 503



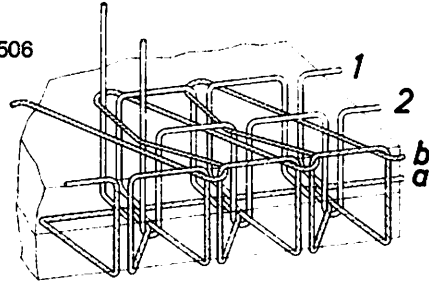
Stitch type 504



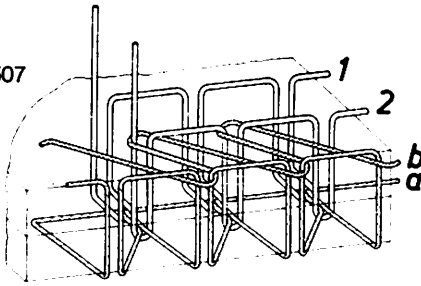
Stitch type 505



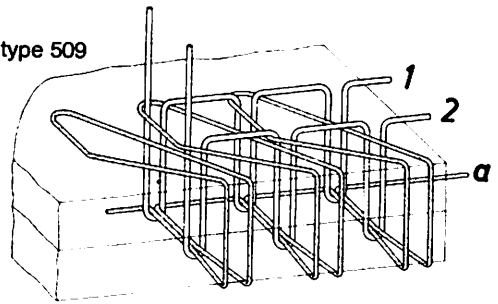
Stitch type 506



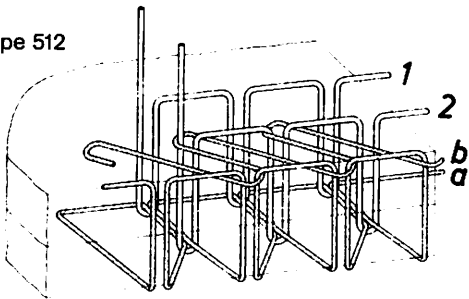
Stitch type 507



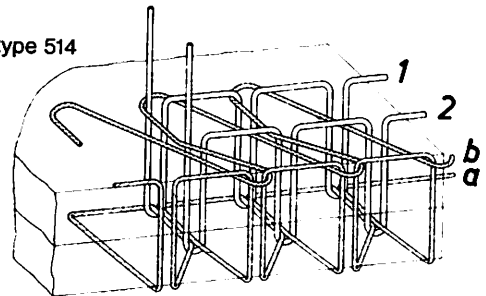
Stitch type 509



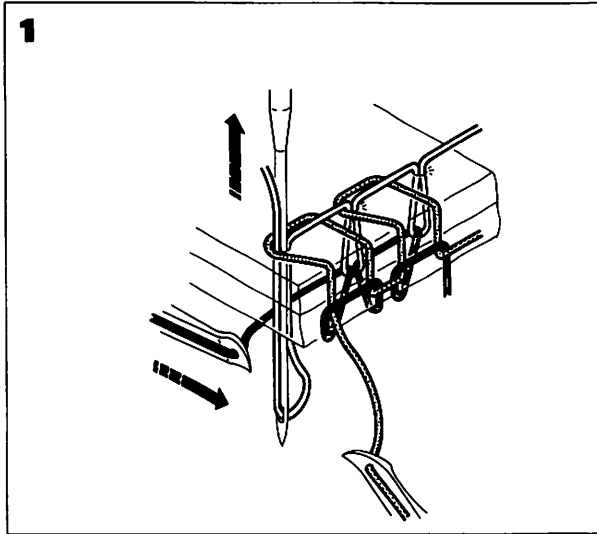
Stitch type 512



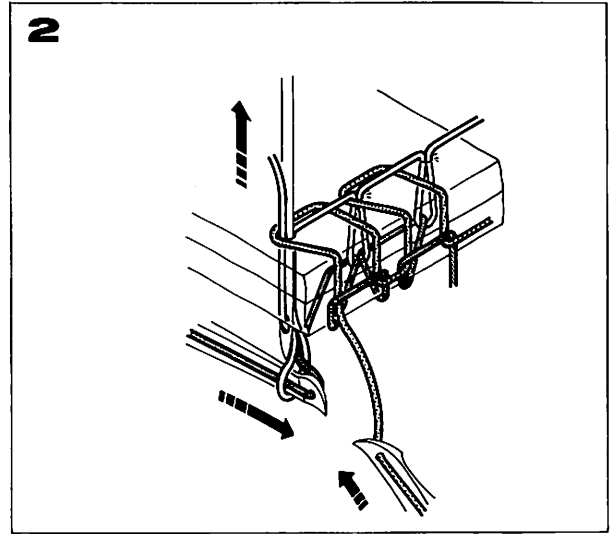
Stitch type 514



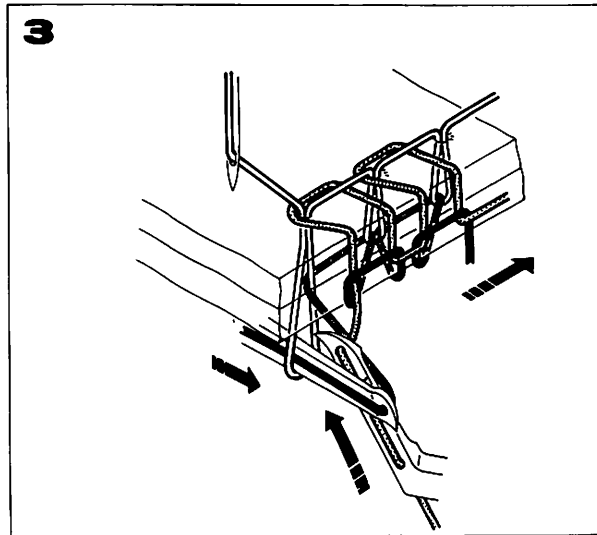
Formation of a Three-Thread Overlock Stitch



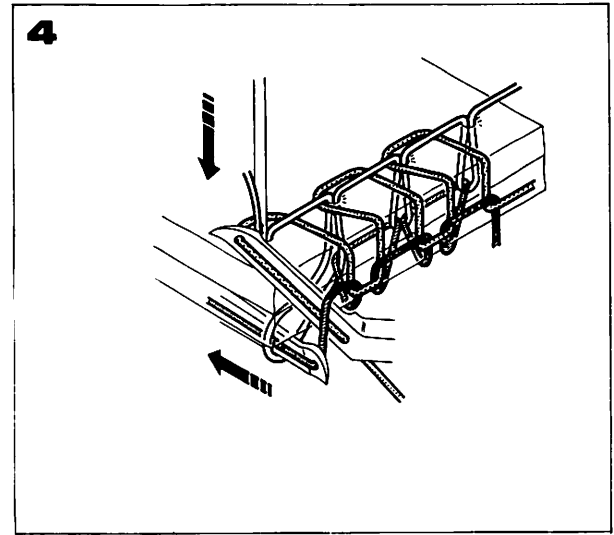
The needle is at the lowest point of its travel



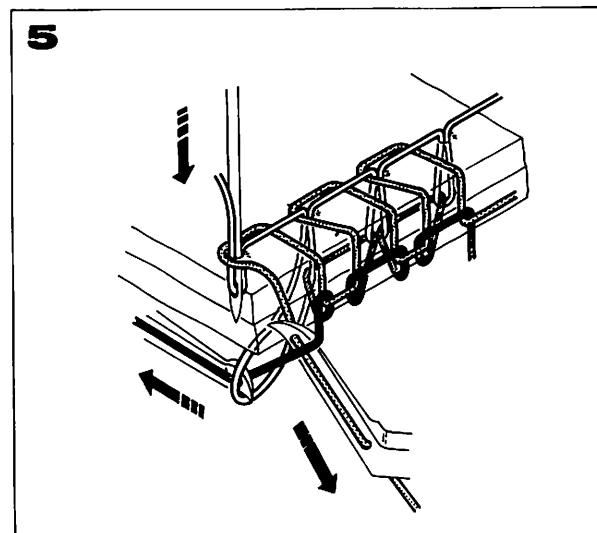
The needle is beginning to rise; the lower looper is now entering the needle thread loop



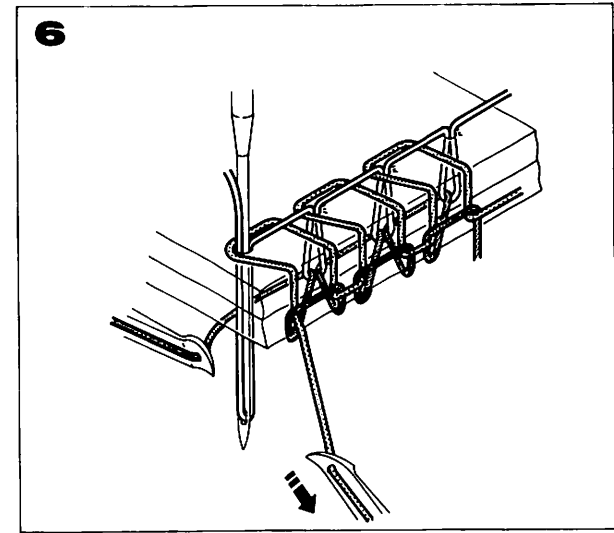
The lower looper has travelled its full distance to the right. The upper looper is rising up and over the stitch tongue on the throat plate



The needle is now beginning to descend entering the upper looper thread loop. The lower looper is moving toward the left and the needle thread begins to slide off the lower looper



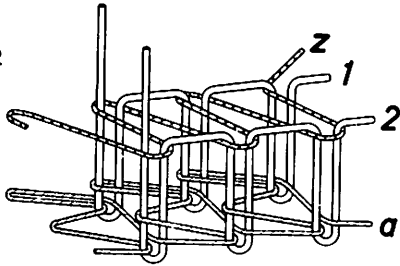
The lower looper is still moving toward the left. The upper looper is descending and the lower looper thread is sliding toward the point of the upper looper



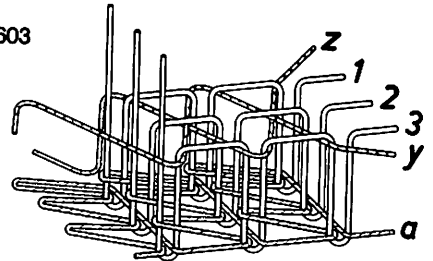
The needle is in its lowest position, the lower looper moving in toward the needle as previously indicated, the upper looper still descending

1-6 Class 600 (Flat Seam Stitches)

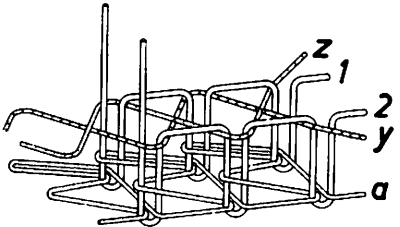
Stitch type 602



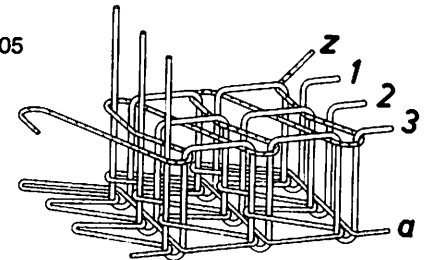
Stitch type 603



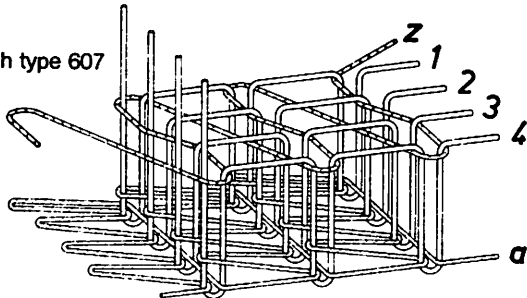
Stitch type 604



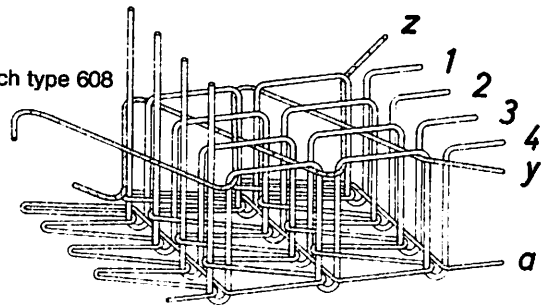
Stitch type 605



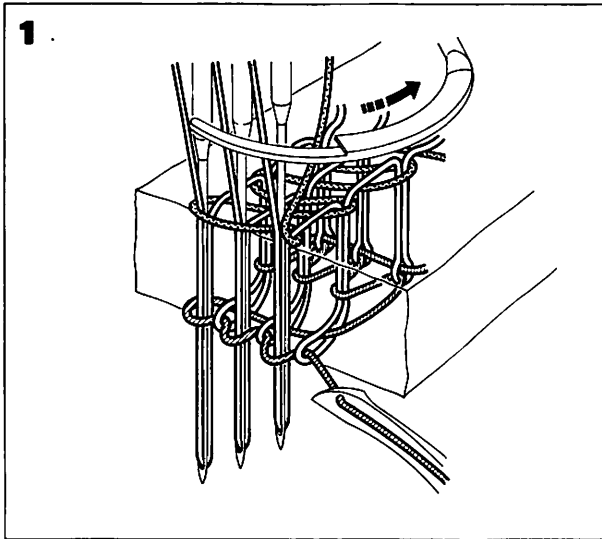
Stitch type 607



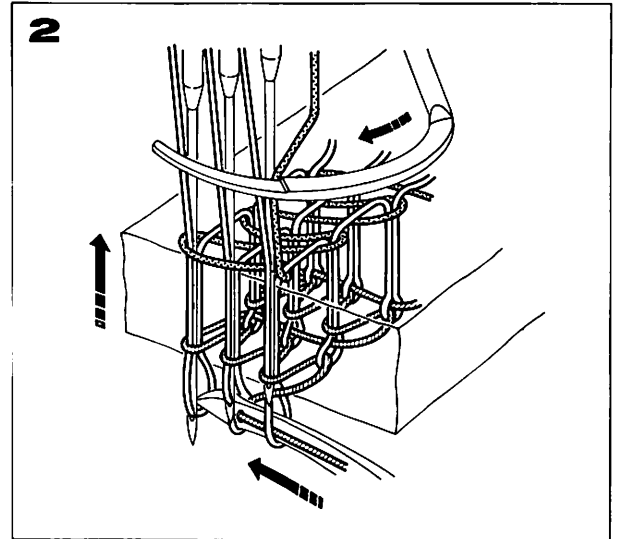
Stitch type 608



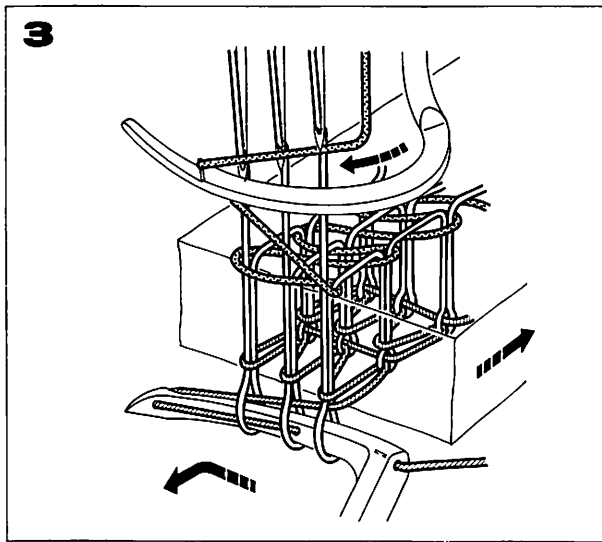
STITCH TYPE 605



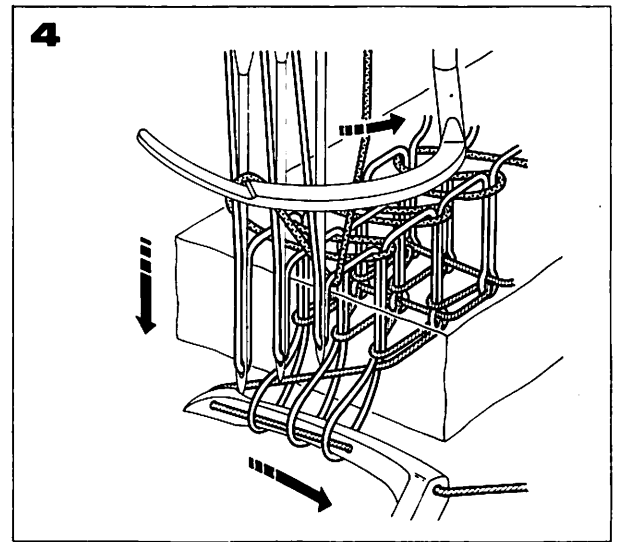
1.
Needles rise to form loop.
Looper starts forward



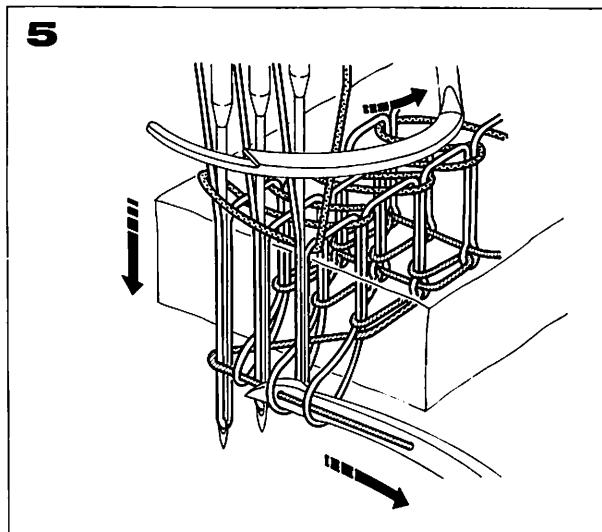
2.
Looper enters needle thread loop



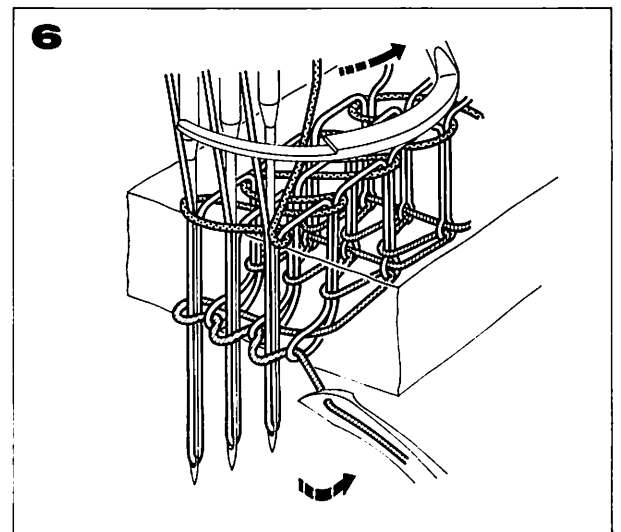
3.
Feed moves material to the next stitch position and looper swings to other side of needle with avoiding motion



4.
Needle descend through triangle

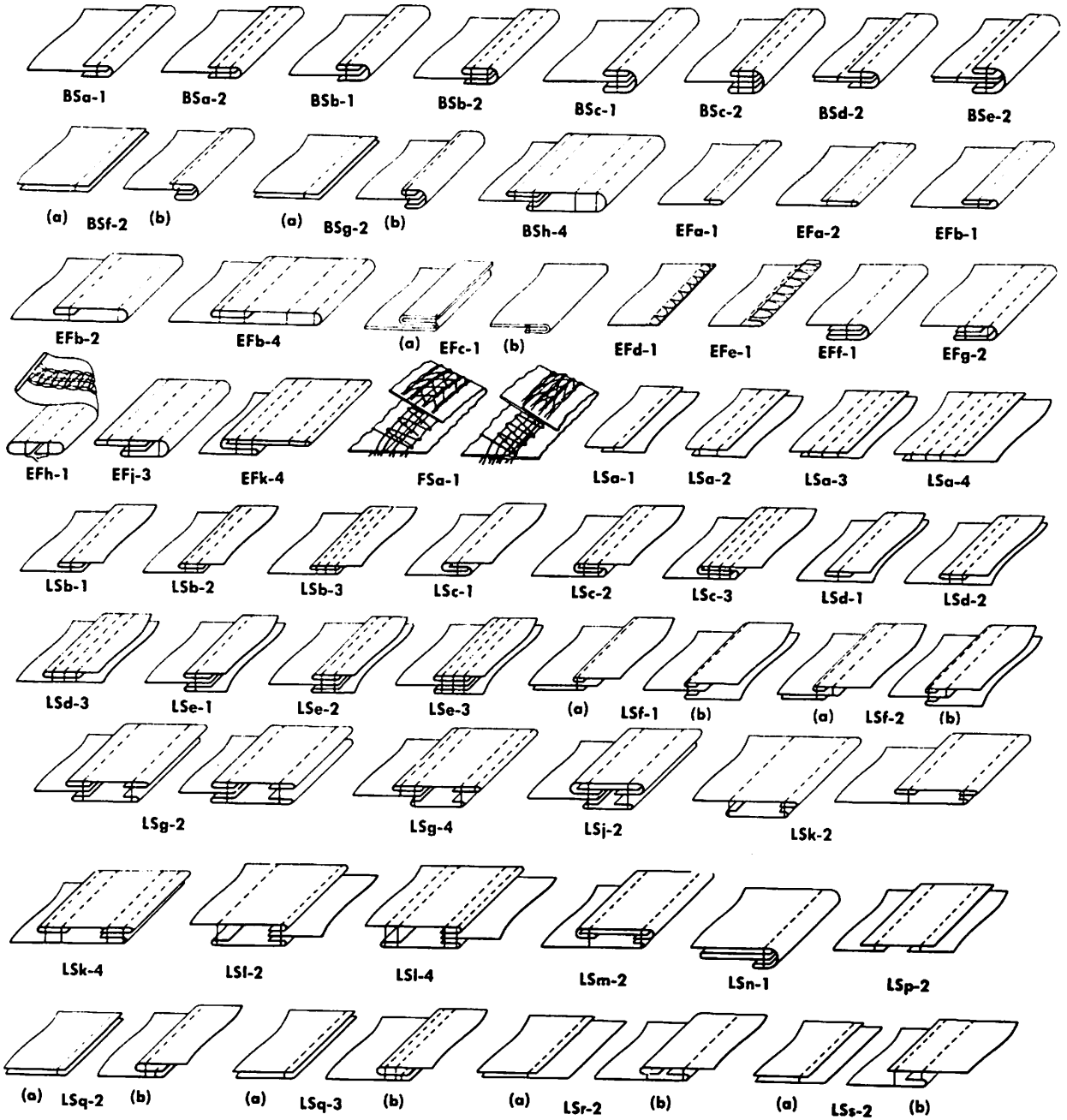


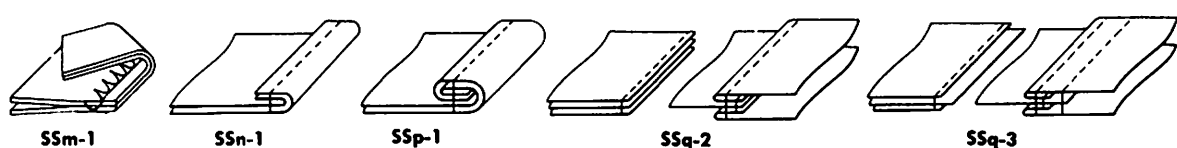
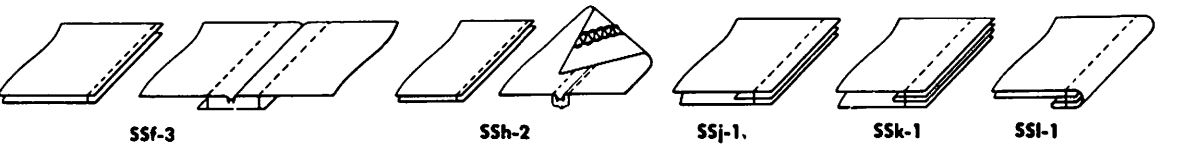
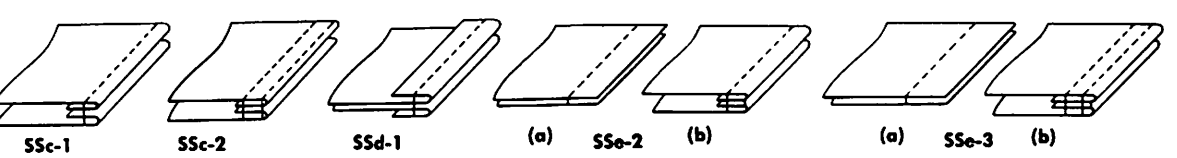
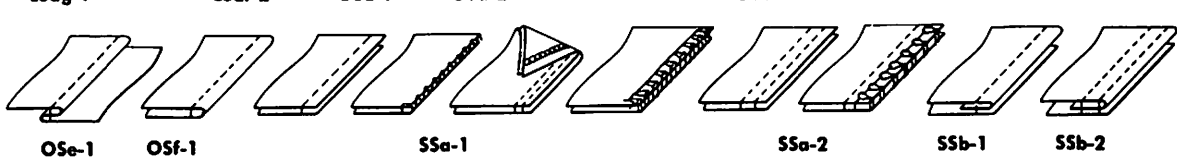
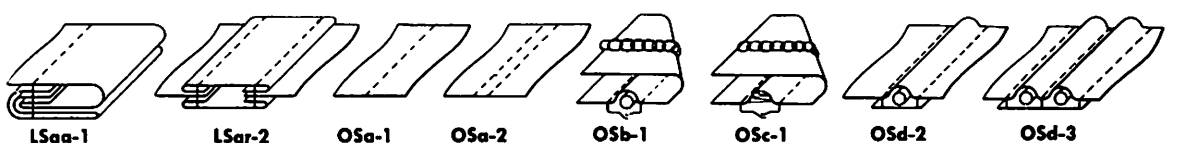
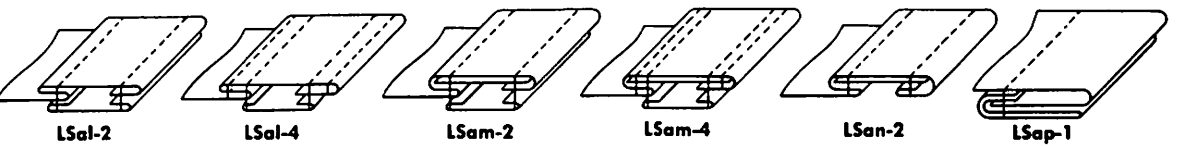
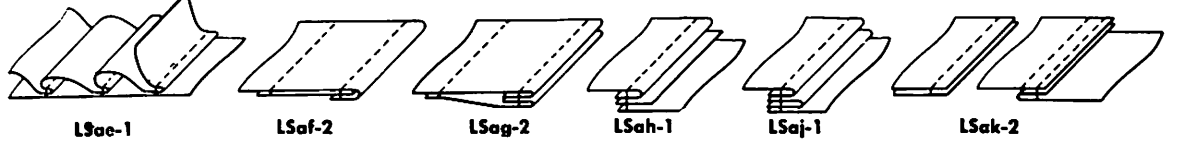
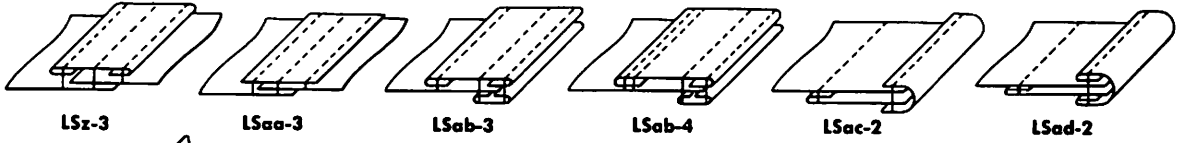
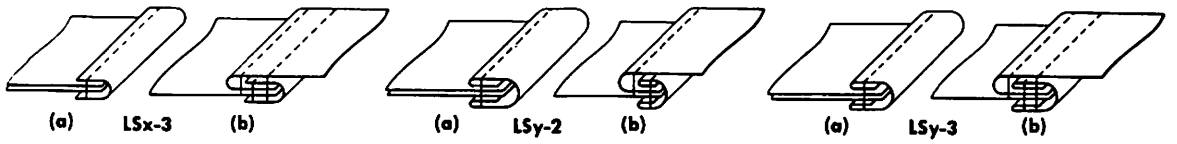
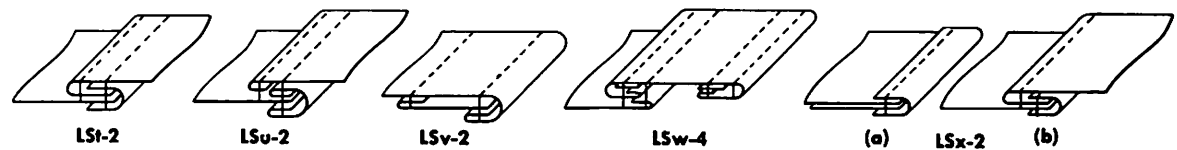
5.
Looper is shedding Needle thread loop



6.
Needles are at lowest point of stroke.
Looper is all the way back

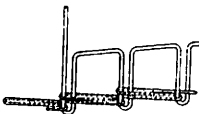

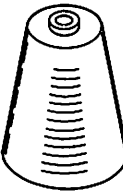
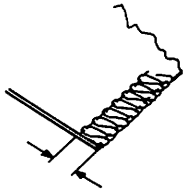
1-7 Seam and Stitching



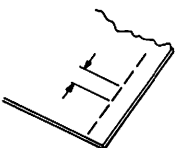
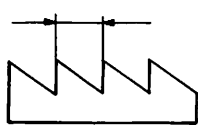
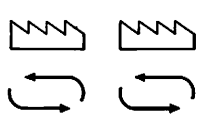
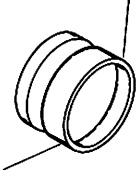
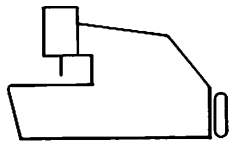


2. Technical Tables of Yamato Sewing Machine

2-1 Specification and Adjustment

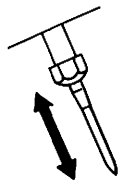
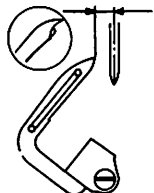
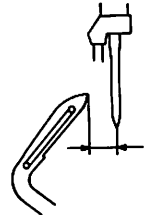
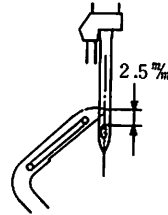
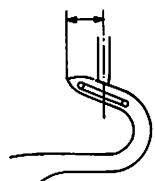
Models	Specification and Adjustment (Unit:mm)				
		Stitch Type	Number of Needle	Number of Thread	Seam Width
DC - 1H		505	1	3	2.5 ~ 4.5
DC - 3H		504	1	3	"
DC - 4		501, 503	1	2 (1)	※ 13
DCY-100		505	1	3	2.5 ~ 4.5
DCY-103		504	1	3	"
DCY-104		501, 503	1	2 (1)	※ 13
DCY-108		504	1	3	4.5 ~ 10
DCY-109		"	1	3	"
DCY-200		505	1	3	2.5 ~ 4.5
DCY-203		504	1	3	"
DCY-251A		504+401	2	5	5.5 ~ 7.5
DCY-251Y		"	2	5	4.5 ~ 6.5

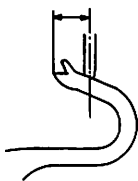
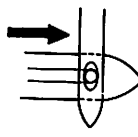
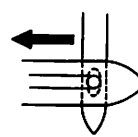
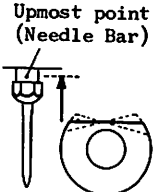
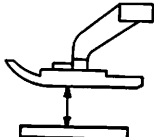
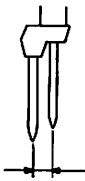
※ Abutted width.....13mm

 Stitch Length	 Pitch of Feed Dog Teeth	 Differential Ratio (max.)	 Sewing Speed (max.)	 Remarks
1.8 ~ 4.2	1.6	—	3 3 0 0	blind stitch hemming (single row feed)
"	"	—	"	overlock (double row) feed
"	"	—	3 0 0 0	for abutted seaming
1.8 ~ 4.2	1.6	—	4 5 0 0	blind stitch hemming
"	"	—	"	overlock (double row) feed
"	"	—	4 2 0 0	for abutted seam
3.2	1.2	—	3 0 0 0	for sewing carpet (without cutting knife)
"	"	—	"	for sewing carpet (with cutting knife)
1.8 ~ 4.2	1.6	1 : 2.7	4 5 0 0	blind stitch hemming (single row feed)
"	"	"	"	overlock (double row) feed
1.8 ~ 4.2	1.6	1 : 2.7	4 2 0 0	safety stitching
"	"	"	"	"

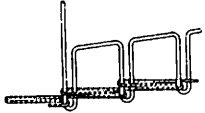

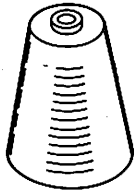
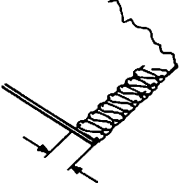
Note: Differential ratio -----made by minimum main feeding and maximum differential feeding

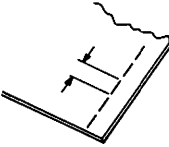
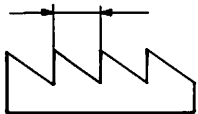

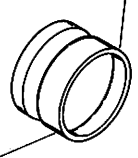
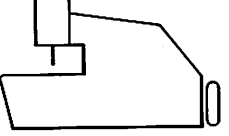
without touch to Throat Plate and Main Feed Dog.

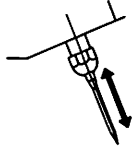
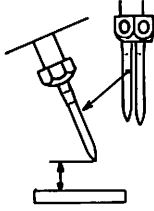
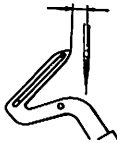
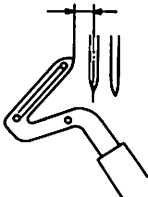
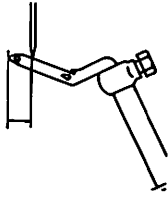
	 Needle Bar Stroke	 Lower Looper	 Lower Looper	 Lower Looper	 Upper Looper
DC - 1 H	2 4	3	-	○	8
- 3 H	"	"	-	○	"
- 4	3 0	"	-	○	1 0
DCY - 1 0 0	2 4	3	-	○	8
- 1 0 3	"	"	-	○	"
- 1 0 4	3 0	"	-	○	1 0
- 1 0 8	"	"	-	○	"
- 1 0 9	"	"	-	○	"
- 2 0 0	2 4	"	-	○	8
- 2 0 3	"	"	-	○	"
DCY - 2 5 1 A	2 4	-	3	○	8
- 2 5 1 Y	"	-	"	○	"

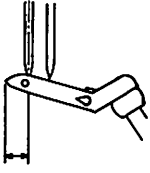
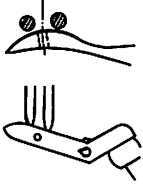
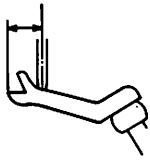
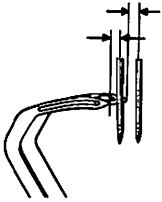
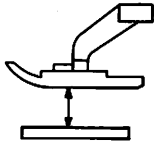
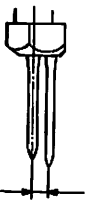
 Upper Spreader	 Front Looper	 Front Looper	 Upmost point (Needle Bar) Looper Thread Take-Up Cam	 Presser Foot Lifting Amount	 Needle Distance
-	-	-	-	3.5	-
-	-	-	-	"	-
1 0	-	-	-	2.5	-
-	-	-	-	3.5	-
-	-	-	-	"	-
1 0	-	-	-	2.5	-
-	-	-	-	4.3	-
-	-	-	-	"	-
-	-	-	-	3.2	-
-	-	-	-	"	-
-	○	○	○	3	3.2
-	○	○	○	"	2.4

Note: Mark ○..... please refer to above figures.

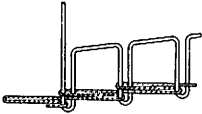


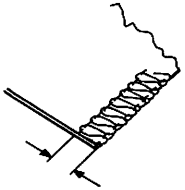
Specification and Adjustment (Unit : mm) Models	 Stitch Type	 Number of Needle	 Number of Thread	 Seam Width
DCZ - 200	505	1	3	2.5 ~ 5.5
DCZ - 201	504	1	3	"
DCZ - 202	"	1	3	6 ~ 8
DCZ - 203	503, 504	1	3 (2)	2.5 ~ 5.5
DCZ - 205	504	1	3	2
DCZ - 206	"	1	3	"
DCZ - 215	"	1	3	2.5 ~ 5.5
DCZ - 216	503, 504	1	3 (2)	2
DCZ - 220	514	2	4	4 ~ 6
DCZ - 220W	"	2	4	3.5 ~ 5.5
DCZ - 221	512	2	4	4 ~ 6
DCZ - 222	514	2	4	6 ~ 8
DCZ - 223	512	2	4	"
DCZ - 237	503	1	2	4 ~ 5.5
DCZ - 245	504	1	3	2.5 ~ 5.5
DCZ - 246	514	2	4	4 ~ 6
DCZ - 270	"	2	4	"
DCZ - 270W	"	2	4	"
DCZ - 290	503, 504	1	3 (2)	2.5 ~ 5.5

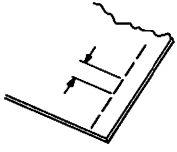
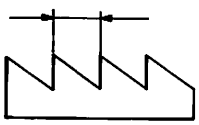
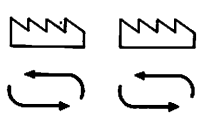
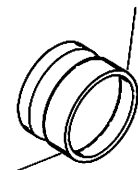
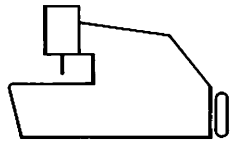
 Stitch Length	 Pitch of Feed Dog Teeth	 Differential Ratio (max.)	 Sewing speed (max.)	 Remarks
1.3 ~ 4.2	1.6	1 : 3	6 0 0 0	blind stitch hemming
"	"	"	"	overlock(single row) feed
"	2.5	"	5 2 0 0	for heavy duty
"	1.6	"	6 0 0 0	overlock(double row) feed
0.9 ~ 1.7	"	-	"	curled edge seaming (2mm)
"	"	1 : 3	"	"
1.3 ~ 4.2	"	"	"	attaching knitted tape
0.9 ~ 1.7	"	"	"	curled edge seaming (2.5mm)
1.3 ~ 4.2	"	"	"	2 needle overedging
"	"	"	"	"
"	"	"	"	mock safty stitching
"	2.5	"	5 2 0 0	2 needle overedging
"	"	"	"	mock safty stitching for heavy duty
"	1.6	"	6 0 0 0	serging .
2.5 ~ 4.2	"	"	"	ruffling
"	"	"	"	"
1.3 ~ 4.2	"	"	"	with high lifting upper looper mechanism
"	"	"	"	"
"	"	"	"	small cylinder bed for blind stitch hemming

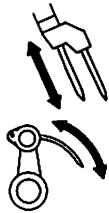
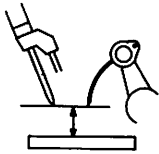
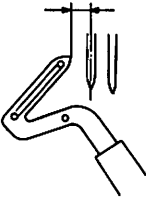
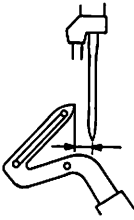
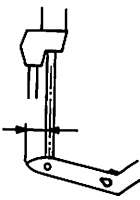
	 Needle Bar Stroke	 Needle Bar Height	 Lower Loper	 Lower Loper	 Upper Loper
DCZ-200	25	9.5 ~ 10	3 ~ 4	-	5 ~ 6
-201	"	"	"	-	"
-202	28	11.5 ~ 12	6.5 ~ 7.5	-	5.5 ~ 6.5
-203	25	9.5 ~ 10	3 ~ 4	-	5 ~ 6
-205	"	"	"	-	"
-206	"	"	"	-	"
-215	"	"	"	-	"
-216	"	"	"	-	"
-220	"	"	-	3 ~ 4	-
-220W	"	"	-	"	-
-221	"	"	-	"	-
-222	28	11.5 ~ 12	-	6.5 ~ 7.5	-
-223	"	"	-	"	-
-237	25	9.5 ~ 10	3 ~ 4	-	-
-245	"	"	"	-	"
-246	"	"	-	3 ~ 4	-
-270	26	10.5 ~ 11	-	"	-
-270W	"	"	-	"	-
-290	25	"	3 ~ 4	-	5 ~ 6

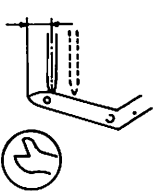
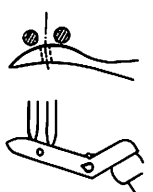
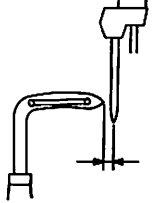
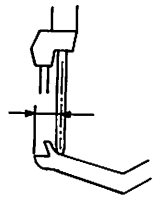
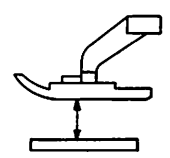
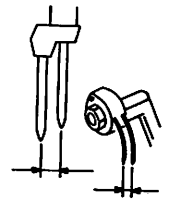
 Upper Looper	 Upper Looper	 Upper Spreader	 2 Loopers	 Presser Foot Lifting Amount	 Needle Distance
-	-	(5 ~ 6)	-	3. 7	-
-	-	(")	-	4	-
-	-	-	-	8	-
-	-	(5 ~ 6)	-	4	-
-	-	-	-	"	-
-	-	-	-	"	-
-	-	-	-	"	-
-	-	(5 ~ 6)	-	"	-
5 ~ 6	-	-	-	3. 5	2. 3
"	-	-	-	"	1. 8
-	○	-	-	"	2. 3
5. 5 ~ 6. 5	-	-	-	7. 5	"
-	○	-	-	"	"
-	-	5 ~ 6	-	4	-
-	-	-	-	"	-
5 ~ 6	-	-	-	3. 5	2. 3
5. 5 ~ 6. 5	-	-	-	5	"
"	-	-	-	"	1. 8
-	-	(5 ~ 6)	-	3. 5	-

Note: Mark ○.....please refer to above figures.

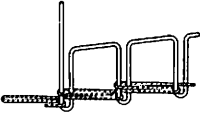
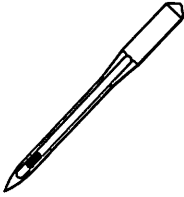
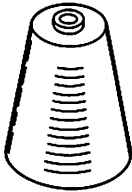
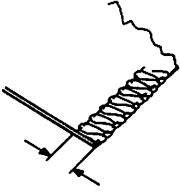
Models	Specification and Adjustment (Unit:mm)				
		Stitch Type	Number of Needle	Number of Needle	Seam Width
DCZ-341C		504+401	2	5	10~12
DCZ-342C		503+401	2	4	"
DCZ-361A		504+401	2	5	5.5~8
DCZ-361C		"	2	5	9~11
DCZ-361Y		"	2	5	5~7
DCZ-362A		503+401	2	4	5.5~8
DCZ-362C		"	2	4	9~11
DCZ-362Y		"	2	4	5~7
DCZ-365A		504+401	2	5	5.5~8
DCZ-365C		"	2	5	9~11
DCZ-366A		"	2	5	5.5~8
DCZ-367A		"	2	5	"
DCZ-368A		"	2	5	"
DCZ-369A		"	2	5	"
DCZ-400		504	1	3	2.5~6
DCZ-401		"	1	3	"
DCZ-403		503, 504	1	3(2)	"
DCZ-410		503	1	2	3~4
DCZ-420		514	2	4	4~6
DCZ-421		512	2	4	4~6.5
DCZ-437		503	1	2	4~5.5

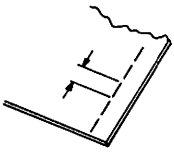
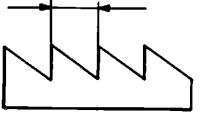
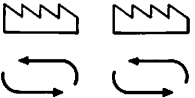
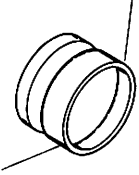
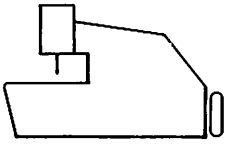
 Stitch Length	 Pitch of Feed Dog Teeth	 Differential Ratio (max.)	 Sewing Speed (max.)	 Remarks
1.2 ~ 4.2	2.2	1 : 2.3	5 2 0 0	safety stitching for heavy duty
"	"	"	"	similar to DCZ-341 but 4 thread
1.2 ~ 3.2	1.6	"	5 5 0 0	normal safety stitching
"	"	"	"	"
"	"	"	"	"
"	"	"	"	4 thread safety stitching
"	"	"	"	"
"	"	"	"	"
"	"	1 : 2.7	"	ruffling safety stitching
"	"	"	"	"
"	"	"	"	ruffling and piping
"	"	"	"	ruffling and taping
"	"	1 : 2.3	"	overedging with tape
"	"	"	"	curled edge seaming
1.3 ~ 4.2	"	1 : 3	7 0 0 0	blind stitch hemming
"	"	"	"	overlock (single row) feed
"	"	"	"	" (double row) feed
0.8 ~ 1.3	"	"	"	abutted overseaming
1.3 ~ 4.2	"	"	"	2 needle overedging
"	"	"	"	mock safety stitching
"	"	"	"	serging

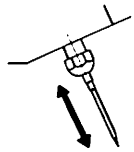
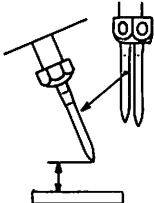
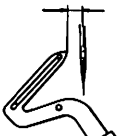
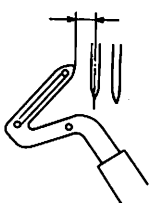
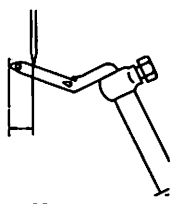
	 Needle Bar Stroke	 Needle Bar Height	 Lower Looper	 Lower Looper	 Upper Looper
DCZ—341C	2 5.5	1 0.5	—	3 ~ 3.5	5 ~ 5.5
—342C	"	"	—	"	—
—361A	2 5	1 0	—	3 ~ 4	5 ~ 6
—361C	"	"	—	"	"
—361Y	"	"	—	"	"
—362A	"	"	—	"	—
—362C	"	"	—	"	—
—362Y	"	"	—	"	—
—365A	"	"	—	"	5 ~ 6
—365C	"	"	—	"	"
—366A	"	"	—	"	"
—367A	"	"	—	"	"
—368A	"	"	—	"	"
—369A	"	"	—	"	"
—400	2 1.5	9.5 ~ 10	5 ~ 6	—	—
—401	"	"	"	—	—
—403	"	"	"	—	—
—410	"	"	4.5 ~ 5.5	—	—
—420	"	"	—	—	—
—421	"	"	—	—	—
—437	"	9 ~ 9.5	2.5 ~ 3.5	—	—

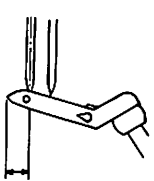
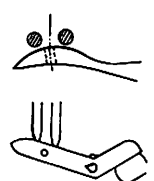
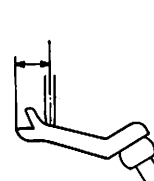
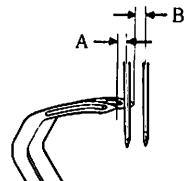

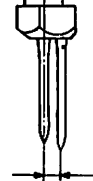
 Upper Looper	 Upper Looper	 Front Looper	 Upper Spreader	 Presser Foot Lifting Amount	 Needle Distance
-	-	1.5 ~ 2	-	6	5
-	-	"	5 ~ 5.5	"	"
-	-	2 ~ 2.5	-	4	3.2
-	-	"	-	"	5
-	-	"	-	"	2.4
-	-	"	5 ~ 6	"	3.2
-	-	"	"	"	5
-	-	"	"	"	2.4
-	-	"	-	"	3.2
-	-	"	-	"	5
-	-	"	-	"	3.2
-	-	"	-	"	"
-	-	"	-	"	"
-	-	"	-	"	"
5 ~ 6	-	-	-	4.5	-
"	-	-	-	"	-
"	-	-	-	"	-
6 ~ 7	-	-	-	3.5	-
5 ~ 6	-	-	-	"	2.3
"	○	-	-	"	"
"	-	-	-	"	-

Note: Mark ○... please refer to above figures.

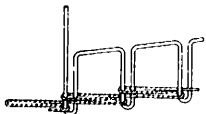

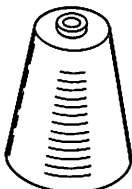
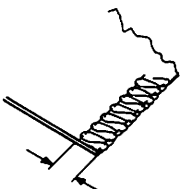
Models	Specification and Adjustment (Unit: mm)				
		Stitch Type	Number of Needle	Number of Thread	Seam Width
DCZ-500		505	1	3	2.5 ~ 5.5
DCZ-501		504	1	3	"
DCZ-503		504, 503	1	3 (2)	"
DCZ-515		504	1	3	3 ~ 4
DCZ-520		514	2	4	4.5 ~ 6
DCZ-520-D4		"	2	4	"
DCZ-520W		"	2	4	3.5 ~ 6
DCZ-521		512	2	4	5 ~ 6.5
DCZ-525		514	2	4	4.5 ~ 6
DCZ-545		504	1	3	3 ~ 4.5
DCZ-546		514	2	4	4.5 ~ 6
DCZ-547		512	2	4	"
DCZ-553		504	1	3	"
DCZ-554		514	2	4	"
DCZ-560		505	1	3	2.5 ~ 6
DCZ-581		"	1	3	"
DCZ-582		"	1	3	"
DCZ-920		401	2	4	10
Z 2,000		504, 505	1	3	2.5 ~ 7
Z 3,000		504+401	2	5	5 ~ 11

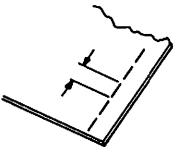
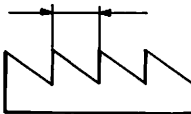
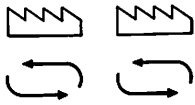
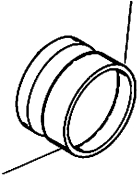
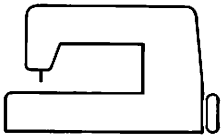
 Stitch Length	 Pitch of Feed Dog Teeth	 Differential Ratio (max.)	 Sewing Speed (max.)	 Remarks
1.2 ~ 4.2	1.6	1 : 2.3	6000	blind stitch hemming
"	"	"	"	normal overedging
"	"	"	"	"
"	"	"	"	attaching knitted tape
"	"	"	"	2 needle overedging
"	"	"	"	"
"	"	"	"	"
1.2 ~ 3.6	"	"	"	mock safety stitching
"	"	"	"	attaching knitted tape
1 ~ 4.2	"	1 : 2.7	"	ruffling (1 needle)
"	"	"	"	" (2 needle)
"	"	"	"	" (mock safety stitching)
1.2 ~ 4.2	2.5	1 : 4	"	bigger differential ratio (1 needle)
"	"	"	"	" (2 needle)
1 ~ 4.2	1.6	1 : 2.7	5500	stitch counter type blind stitch hemmer
"	"	"	"	blind stitch hemmer, with movable cloth guide
"	"	"	"	with releasable folder linked with knee-lever
1.2 ~ 3.2	"	1 : 2.3	"	two lines chain stitching for attaching tape
1 ~ 5	1.6	1 : 4	8000	blind stitch hemming or normal overedging
"	"	"	7500	safety stitching for medium-weight material

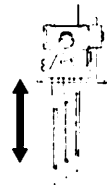
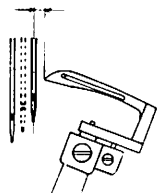
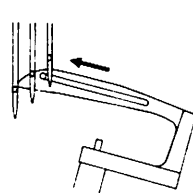
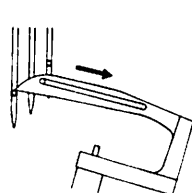
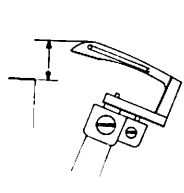
	 Needle Bar Stroke	 Needle Bar Height	 Lower Loooper	 Lower Loooper	 Upper Loooper
DCZ-500	2.6	1.1	3 ~ 4	-	5.5 ~ 6.5
-501	"	"	"	-	"
-503	"	"	"	-	"
-515	"	"	"	-	"
-520	"	"	-	3 ~ 4	-
-520-D4	"	"	-	"	-
-520W	"	"	-	"	-
-521	"	"	-	"	-
-525	"	"	-	"	-
-545	"	"	3 ~ 4	-	5.5 ~ 6.5
-546	"	"	-	3 ~ 4	-
-547	"	"	-	"	-
-553	"	"	3 ~ 4	-	5.5 ~ 6.5
-554	"	"	-	3 ~ 4	-
-560	"	"	3 ~ 4	-	5.5 ~ 6.5
-581	"	"	"	-	"
-582	"	"	"	-	"
-920	2.5	7.7		-	-

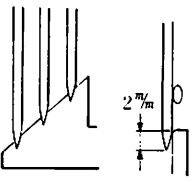
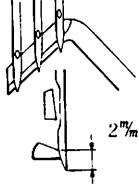
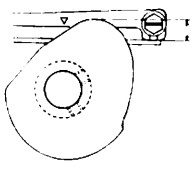
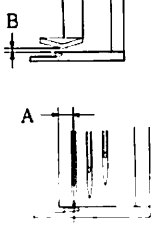
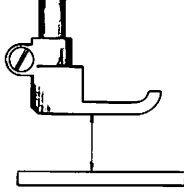
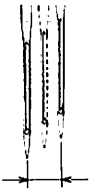
 Upper Looper	 Upper Looper	 Upper Spreader	 2 Loopers	 Presser Foot Lifting Amount	 Needle Distance
-	-	-	-	5	-
-	-	-	-	6	-
-	-	(5.5 ~ 6.5)	-	"	-
-	-	-	-	"	-
5.5 ~ 6.5	-	-	-	4.5	2.3
4 ~ 5	-	-	-	"	"
5.5 ~ 6.5	-	-	-	"	1.8
-	○	-	-	"	2.3
"	-	-	-	"	"
-	-	-	-	6	-
5.5 ~ 6.5	-	-	-	4.5	2.3
-	○	-	-	"	"
-	-	-	-	6	-
5.5 ~ 6.5	-	-	-	4.5	2.3
-	-	-	-	5	-
-	-	-	-	"	-
-	-	-	-	"	-
-	-	-	A 2.2 B 2.7	4	5

Note: Mark ○.....please refer to above figures.

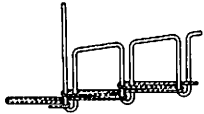

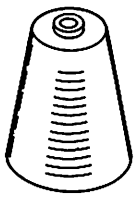
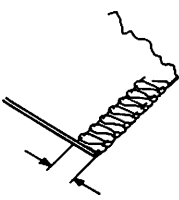
<div style="text-align: center;">Specification and Adjustment (Unit: mm)</div> <div style="text-align: left; padding-top: 10px;">Models</div>	 Stitch Type	 Number of Needle	 Number of Thread	 Seam Width
D V - 1 0 0 M A	6 0 2	2	4 (5)	
D V - 1 0 0 M B	"	2	4 (5)	
D V - 1 0 0 M C	"	2	4 (5)	
D V - 1 0 0 M D	"	2	4 (5)	
D V - 1 0 0 M E	"	2	4 (5)	
D V - 1 0 0 S M A	"	2	4 (5)	
D V - 1 0 0 S M B	"	2	4 (5)	
D V - 1 0 1 M A	4 0 6	2	3	
D V - 1 0 1 M B	"	2	3	
D V - 1 0 1 M C	"	2	3	
D V - 1 0 1 M D	"	2	3	
D V - 1 0 1 M E	"	2	3	
D V - 1 0 3 M A	6 0 2	2	4 (5)	
D V - 1 0 3 M B	"	2	4 (5)	
D V - 1 0 3 M C	"	2	4 (5)	
D V - 1 0 3 M E	"	2	4 (5)	
D V - 1 0 4 M A	"	2	4 (5)	
D V - 1 0 4 M B	"	2	4 (5)	
D V - 1 0 4 M C	"	2	4 (5)	
D V - 1 0 4 M E	"	2	4 (5)	

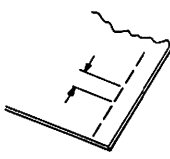
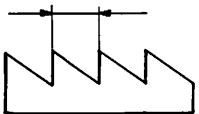
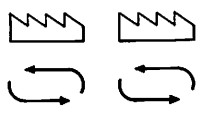
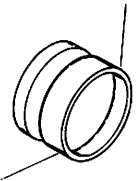
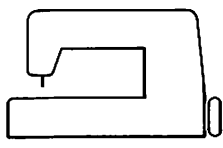
 Stitch Length	 Pitch of Feed Dog Teeth	 Differential Ratio(max.)	 Sewing Speed (max.)	 Remarks
1.3 ~ 2.8	1.6	1 : 2.2	4000	two needle cover stitching
"	"	"	"	"
"	"	"	"	"
"	"	"	"	"
"	"	"	"	"
"	"	"	"	attaching elastic tape or laces
"	"	"	"	"
"	"	-	"	making belt loop
"	"	-	"	"
"	"	-	"	"
"	"	-	"	"
"	"	-	"	"
"	"	1 : 2.2	"	attaching bindings
"	"	"	"	"
"	"	"	"	"
"	"	"	"	"
"	"	"	"	similar to DV-103 but with manual tape cutter
"	"	"	"	"
"	"	"	"	"
"	"	"	"	"
"	"	"	"	"

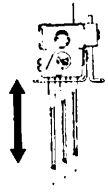
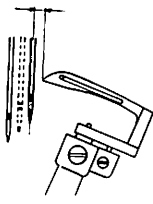
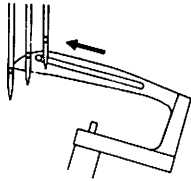
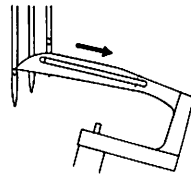
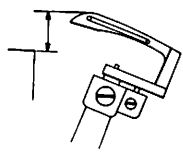
	 Needle Bar Stroke	 Looper	 Looper	 Looper	 Looper Height
DV-100MA	3 1	4.5	○	○	2
-100MB	"	"	○	○	"
-100MC	"	4	○	○	"
-100MD	"	"	○	○	"
-100ME	"	"	○	○	"
-100SMA	"	4.5	○	○	"
-100SMB	"	"	○	○	"
-101MA	"	"	○	○	"
-101MB	"	"	○	○	"
-101MC	"	4	○	○	"
-101MD	"	"	○	○	"
-101ME	"	"	○	○	"
-103MA	"	4.5	○	○	"
-103MB	"	"	○	○	"
-103MC	"	4	○	○	"
-103ME	"	"	○	○	"
-104MA	"	4.5	○	○	"
-104MB	"	"	○	○	"
-104MC	"	4	○	○	"
-104ME	"	"	○	○	"

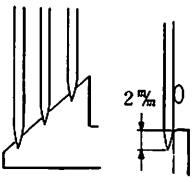
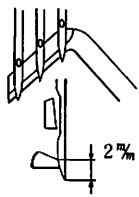
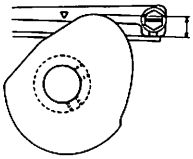
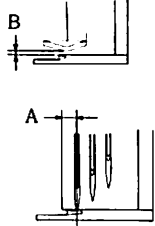
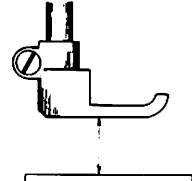
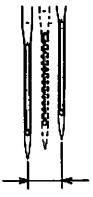
 Needle Guard	 Needle Guard	 Looper Thread Take-Up Cam	 Top Spreader	 Presser Foot Lifting Amount	 Needle Distance
○	-	3 ~ 5	A 4.5~5 B 0.5~1	5	3.2
○	-	"	" "	"	4.0
○	-	"	" "	"	4.8
○	-	"	" "	"	5.6
○	-	"	" "	"	6.4
○	-	"	" "	"	3.2
○	-	"	" "	"	4.0
○	-	"	" "	7	3.2
○	-	"	" "	"	4.0
○	-	"	" "	"	4.8
○	-	"	" "	"	5.6
○	-	"	" "	"	6.4
○	-	"	" "	5	3.2
○	-	"	" "	"	4.0
○	-	"	" "	"	4.8
○	-	"	" "	"	6.4
○	-	"	" "	"	3.2
○	-	"	" "	"	4.0
○	-	"	" "	"	4.8
○	-	"	" "	"	6.4

Note: Mark ○... please refer to above figures.

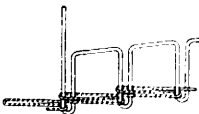
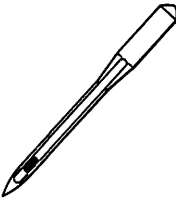
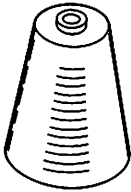
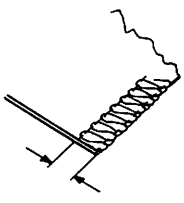
<div style="text-align: center;">Specification and Adjustment (Unit: mm)</div> <div style="text-align: left; padding-top: 10px;">Models</div>	 Stitch Type	 Number of Needle	 Number of Thread	 Seam Width
D V - 1 0 5 M A	6 0 2	2	4 (5)	
D V - 1 0 5 M B	"	2	4 (5)	
D V - 1 0 9 M A	"	2	4 (5)	
D V - 1 0 9 M B	"	2	4 (5)	
D W - 1 0 0 M C	6 0 5	3	5 (6)	
D W - 1 0 0 M D	"	3	5 (6)	
D W - 1 0 0 M E	"	3	5 (6)	
D W - 1 0 0 M D	"	3	5 (6)	
D W - 1 0 0 M E	"	3	5 (6)	
D W - 1 0 3 M D	"	3	5 (6)	
D W - 1 0 3 M E	"	3	5 (6)	
D W - 1 0 4 M D	"	3	5 (6)	
D W - 1 0 4 M E	"	3	5 (6)	
D W - 1 0 5 M D	"	3	5 (6)	
D W - 1 0 5 M E	"	3	5 (6)	
D W - 1 0 9 M D	"	3	5 (6)	
D W - 1 0 9 M E	"	3	5 (6)	

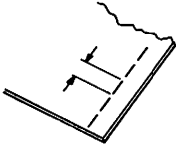
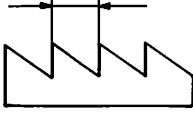
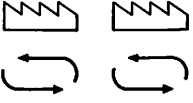
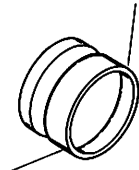
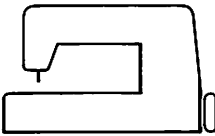
 Stitch Length	 Pitch of Feed Dog Teeth	 Differential Ratio(max.)	 Sewing Speed (max.)	 Remarks
1.3 ~ 2.8	1.6	1 : 2.2	4000	with metering device
"	"	"	"	"
"	"	"	"	with metering device and cloth cutting knife
"	"	"	"	"
1.3 ~ 2.8	1.6	1 : 2.2	4000	three needle cover stitching
"	"	"	"	"
"	"	"	"	"
"	"	"	"	attaching elastic tape or laces
"	"	"	"	"
"	"	"	"	attaching bindings
"	"	"	"	"
"	"	"	"	similar to DW-103 but with manual tape cutter
"	"	"	"	"
"	"	"	"	with metering device
"	"	"	"	"
"	"	"	"	with metering device and cloth cutting knife
"	"	"	"	"


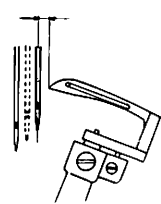
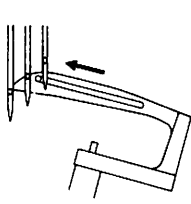
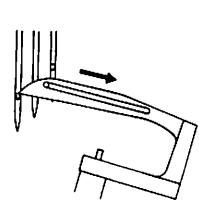
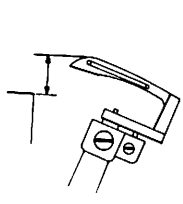
	 Needle Bar Stroke	 Looper	 Looper	 Looper	 Looper Height
DV-105MA	3 1	4.5	○	○	2
-105MB	"	"	○	○	"
-109MA	"	"	○	○	"
-109MB	"	"	○	○	"
DW-100MC	3 1	4	○	○	2
-100MD	"	"	○	○	"
-100ME	"	"	○	○	"
-100SMD	"	"	○	○	"
-100SME	"	"	○	○	"
-103MD	"	"	○	○	"
-103ME	"	"	○	○	"
-104MD	"	"	○	○	"
-104ME	"	"	○	○	"
-105MD	"	"	○	○	"
-105ME	"	"	○	○	"
-109MD	"	"	○	○	"
-109ME	"	"	○	○	"

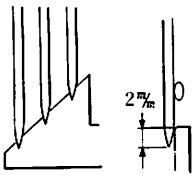
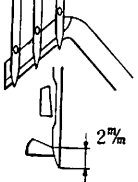
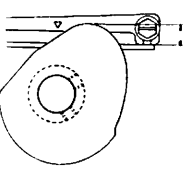

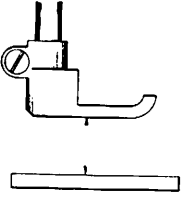
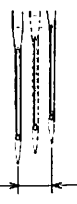
 Needle Guard	 Needle Guard	 Looper Thread Take-Up Cam	 Top Spreader	 Presser Foot Lifting Amount	 Needle Distance
○	—	3 ~ 5	A 4.5~5 B 0.5~1	5	3. 2
○	—	"	"	"	4. 0
○	—	"	"	"	3. 2
○	—	"	"	"	4. 0
○	—	3 ~ 5	A 4.5~5 B 0.5~1	4.5	4. 8
○	—	"	"	"	5. 6
○	—	"	"	"	6. 4
○	—	"	"	"	5. 6
○	—	"	"	"	6. 4
○	—	"	"	"	5. 6
○	—	"	"	"	6. 4
○	—	"	"	"	5. 6
○	—	"	"	"	6. 4
○	—	"	"	"	5. 6
○	—	"	"	"	6. 4
○	—	"	"	"	5. 6
○	—	"	"	"	6. 4

Note: Mark ○... please refer to above figures.

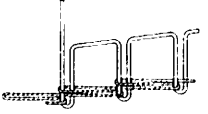

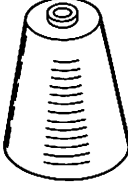
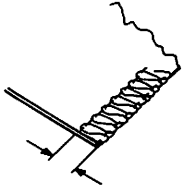
Models	Specification and Adjustment (Unit: mm)				
		Stitch Type	Number of Needle	Number of Thread	Seam Width
D V - 1 2 5 0 M A		6 0 2	2	4 (5)	
D V - 1 2 5 0 M B		"	2	4 (5)	
D V - 1 2 5 0 M C		"	2	4 (5)	
D V - 1 2 5 0 M D		"	2	4 (5)	
D V - 1 2 5 0 M E		"	2	4 (5)	
D V - 1 2 5 3 M A		"	2	4 (5)	
D V - 1 2 5 3 M B		"	2	4 (5)	
D V - 1 2 5 3 M C		"	2	4 (5)	
D V - 1 2 5 3 M E		"	2	4 (5)	
D V - 1 2 5 4 M A		"	2	4 (5)	
D V - 1 2 5 4 M B		"	2	4 (5)	
D V - 1 2 5 4 M C		"	2	4 (5)	
D V - 1 2 5 4 M E		"	2	4 (5)	
D V - 1 2 5 5 M A		"	2	4 (5)	
D V - 1 2 5 5 M B		"	2	4 (5)	
D V - 1 2 5 8		4 0 1	1	2	
D V - 1 2 5 9 M A		6 0 2	2	4 (5)	
D V - 1 2 5 9 M B		"	2	4 (5)	
D V - 1 2 6 1 M A		4 0 6	2	3	
D V - 1 2 6 1 M B		"	2	3	
D V - 1 2 6 1 M C		"	2	3	

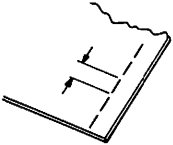
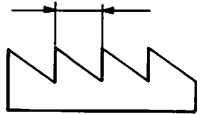
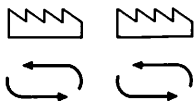
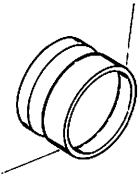
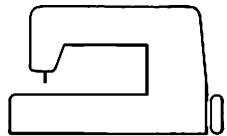
 Stithch Length	 Pitch of Feed Dog Teeth	 Differential Ratio (max.)	 Sewing Speed (max.)	 Remarks
1.3 ~ 3.6	1.6	1 : 2.8	6 0 0 0	two needle high speed cover stitching
"	"	"	"	"
"	"	"	"	"
"	"	"	"	"
"	"	"	"	"
"	"	"	"	attaching bindings
"	"	"	"	"
"	"	"	"	"
"	"	"	"	"
"	"	"	"	similar to DV-1253 but with manual tape cutter
"	"	"	"	"
"	"	"	"	"
"	"	"	"	"
"	"	"	5 0 0 0	with metering device
"	"	"	"	"
"	"	"	6 0 0 0	one needle double locked chain stitching
"	"	"	5 0 0 0	with metering device and cloth cutting knife
"	"	"	"	"
"	"	"	6 0 0 0	without top cover thread for hemming
"	"	"	"	"
"	"	"	"	"

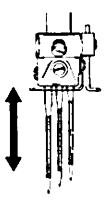
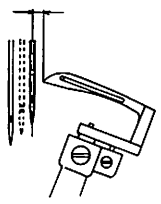
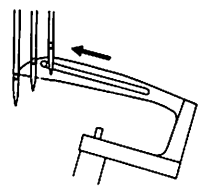
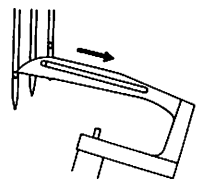
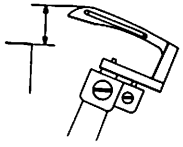
	 Needle Bar Stroke	 Looper	 Looper	 Looper	 Looper Height
DV-1250MA	3 1	3.5	○	○	5.3
-1250MB	"	"	○	○	"
-1250MC	"	3	○	○	"
-1250MD	"	"	○	○	"
-1250ME	"	"	○	○	"
-1253MA	"	3.5	○	○	"
-1253MB	"	"	○	○	"
-1253MC	"	3	○	○	"
-1253ME	"	"	○	○	"
-1254MA	"	3.5	○	○	"
-1254MB	"	"	○	○	"
-1254MC	"	3	○	○	"
-1254ME	"	"	○	○	"
-1255MA	"	3.5	○	○	"
-1255MB	"	"	○	○	"
-1258	"	3.5 ~ 4	○	○	"
-1259MA	"	3.5	○	○	"
-1259MB	"	"	○	○	"
-1261MA	"	"	○	○	"
-1261MB	"	"	○	○	"
-1261MC	"	3	○	○	"

 Needle Guard	 Needle Guard	 Looper Thread Take-Up Cam	 Top Spreader		 Presser Foot Lifting Amount	 Needle Distance
-	○	7~10	A 5~6.5	B 1	5	3.2
-	○	"	"	"	"	4.0
-	○	"	"	"	"	4.8
-	○	"	"	"	"	5.6
-	○	"	"	"	"	6.4
-	○	"	"	"	"	3.2
-	○	"	"	"	"	4.0
-	○	"	"	"	"	4.8
-	○	"	"	"	"	6.4
-	○	"	"	"	"	3.2
-	○	"	"	"	"	4.0
-	○	"	"	"	"	4.8
-	○	"	"	"	"	6.4
-	○	"	"	"	"	3.2
-	○	"	"	"	"	4.0
-	○	5~6	-	-	7.5	-
-	○	7~10	-	-	5	3.2
-	○	"	-	-	"	4.0
-	○	"	-	-	7.5	3.2
-	○	"	-	-	"	4.0
-	○	"	-	-	"	4.8

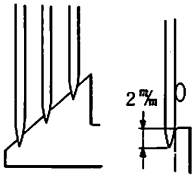
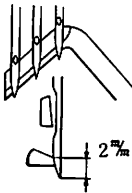
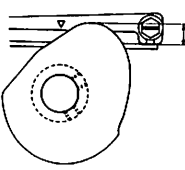
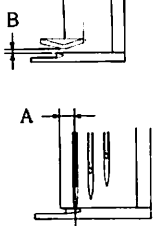
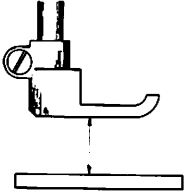
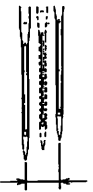
Note: Mark ○.... please refer to above figures.

<div style="text-align: center;">Specification and Adjustment (Unit: mm)</div> <div style="text-align: left; padding-top: 10px;">Models</div>	 Stitch Type	 Number of Needle	 Number of Thread	 Seam Width
DV-1261MD	406	2	3	
DV-1261ME	"	"	"	
DV-1261LA	"	"	"	
DV-1261LB	"	"	"	
DV-1261LC	"	"	"	
DV-1261LA-1	"	"	"	
DV-1261LB-1	"	"	"	
DV-1261LC-1	"	"	"	
DV-1262MA	"	"	"	
DV-1262MB	"	"	"	
DV-1262MC	"	"	"	
DV-1262MD	"	"	"	
DV-1262ME	"	"	"	
DV-1262LA	"	"	"	
DV-1262LB	"	"	"	
DV-1262LC	"	"	"	
DV-1262LA-1	"	"	"	
DV-1262LB-1	"	"	"	
DV-1262LC-1	"	"	"	
DV-1265LA	"	"	"	
DV-1265LB	"	"	"	

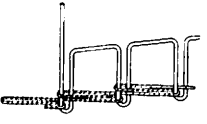
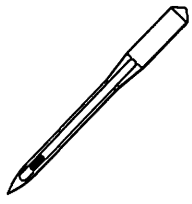
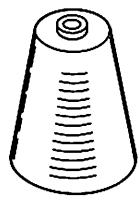
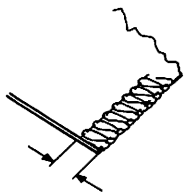
 Stitch Length	 Pitch of Feed Dog Teeth	 Differential Ratio (max.)	 Sewing Speed (max.)	 Remarks
1.3 ~ 3.6	1.6	1 : 2.8	6 0 0 0	without top cover thread for hemming
"	"	"	"	"
"	"	"	"	"
"	"	"	"	"
"	"	"	"	"
"	"	"	"	"
"	"	"	"	"
"	"	"	"	"
"	"	"	"	"
"	"	"	"	similar to DV-1261, but with movable hemming guide
"	"	"	"	"
"	"	"	"	"
"	"	"	"	"
"	"	"	"	"
"	"	"	"	"
"	"	"	"	"
"	"	"	"	"
"	"	"	"	"
"	"	"	"	"
"	"	"	"	"
"	"	"	"	"
"	"	"	"	"
"	"	"	"	similar to DV-1261 class but with normal throat plate
"	"	"	"	"

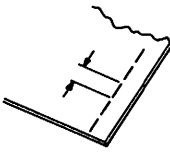
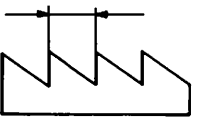
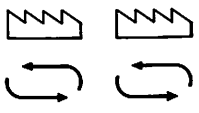
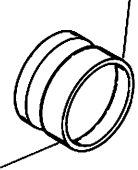
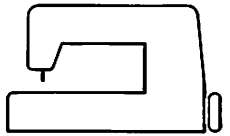
	 Needle Bar Stroke	 Looper	 Looper	 Looper	 Looper Height
DV-1261MD	3 1	3	○	○	5.3
-1261ME	"	"	○	○	"
-1261LA	"	3.5	○	○	"
-1261LB	"	"	○	○	"
-1261LC	"	3	○	○	"
-1261LA-1	"	3.5	○	○	"
-1261LB-1	"	"	○	○	"
-1261LC-1	"	3	○	○	"
-1262MA	"	3.5	○	○	"
-1262MB	"	"	○	○	"
-1262MC	"	3	○	○	"
-1262MD	"	"	○	○	"
-1262ME	"	"	○	○	"
-1262LA	"	3.5	○	○	"
-1262LB	"	"	○	○	"
-1262LC	"	3	○	○	"
-1262LA-1	"	3.5	○	○	"
-1262LB-1	"	"	○	○	"
-1262LC-1	"	3	○	○	"
-1265LA	"	3.5	○	○	"
-1265LB	"	"	○	○	"

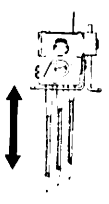
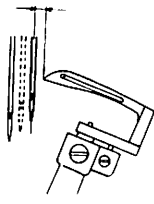
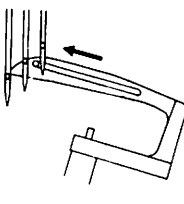
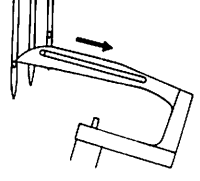
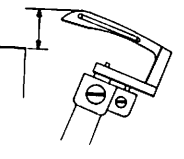
NOTE: Height of Looper should be 4.8 mm for the machine with "UT" device.

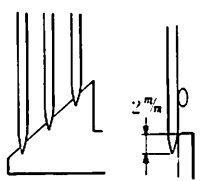
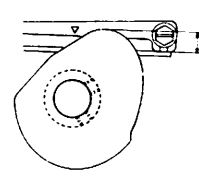
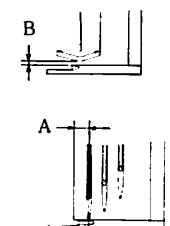
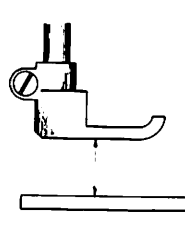
 Needle Guard	 Needle Guard	 Looper Thread Take-Up Cam	 Top Spreader	 Presser Foot Lifting Amount	 Needle Distance
-	○	7~10	-	7.5	5.6
-	○	"	-	"	6.4
-	○	"	-	"	3.2
-	○	"	-	"	4.0
-	○	"	-	"	4.8
-	○	"	-	"	3.2
-	○	"	-	"	4.0
-	○	"	-	"	4.8
-	○	"	-	"	3.2
-	○	"	-	"	4.0
-	○	"	-	"	4.8
-	○	"	-	"	5.6
-	○	"	-	"	6.4
-	○	"	-	"	3.2
-	○	"	-	"	4.0
-	○	"	-	"	4.8
-	○	"	-	"	3.2
-	○	"	-	"	4.0
-	○	"	-	"	4.8
-	○	"	-	"	3.2
-	○	"	-	"	4.0
-	○	"	-	"	4.8
-	○	"	-	"	3.2
-	○	"	-	"	4.0

NOTE: Mark ○ please refer to above figures.

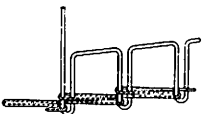

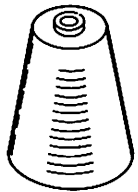
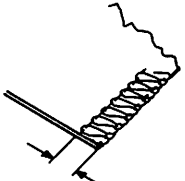
Specification and Adjustment (Unit: mm)	 Stitch Type	 Number of Needle	 Number of Thread	 Seam Width
Models	6 0 5	3	5 (6)	
DW - 1 3 5 0 M C	6 0 5	3	5 (6)	
DW - 1 3 5 0 M D	"	"	"	
DW - 1 3 5 0 M E	"	"	"	
DW - 1 3 5 3 M D	"	"	"	
DW - 1 3 5 3 M E	"	"	"	
DW - 1 3 5 4 M D	"	"	"	
DW - 1 3 5 4 M E	"	"	"	
DW - 1 3 5 5 M D	"	"	"	
DW - 1 3 5 5 M E	"	"	"	
DW - 1 3 5 9 M D	"	"	"	
DW - 1 3 5 9 M E	"	"	"	
DW - 1 3 7 1 M D	"	"	"	

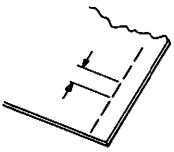
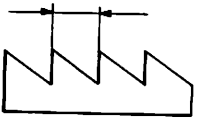
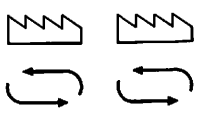
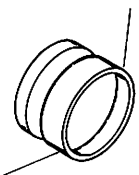
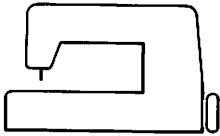
 Stitch Length	 Pitch of Feel Dog Teeth	 Differential Ratio (max.)	 Sewing Speed (max.)	 Remarks
1.3 ~ 3.6	1.6	1 : 2.8	6 0 0 0	three needle high speed cover stitching
"	"	"	"	"
"	"	"	"	"
"	"	"	"	attaching bindings
"	"	"	"	"
"	"	"	"	similar to DW-1353 but with manual tape cutter
"	"	"	"	"
"	"	"	5 0 0 0	with metering device
"	"	"	"	"
"	"	"	"	with metering device and cloth cutting knife
"	"	"	"	"
"	"	"	6 0 0 0	attaching elastics on brief

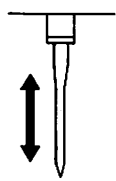
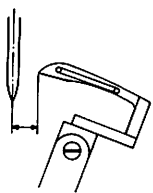
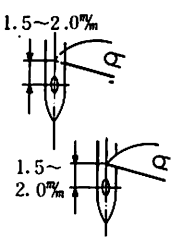
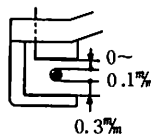
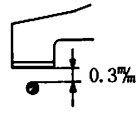
	 Needle Bar Stroke	 Loope	 Looper	 Looper	 Looper Height
DW-1350MC	3 1	3	○	○	5.3
-1350MD	"	"	○	○	"
-1350ME	"	"	○	○	"
-1353MD	"	"	○	○	"
-1353ME	"	"	○	○	"
-1354MD	"	"	○	○	"
-1354ME	"	"	○	○	"
-1355MD	"	"	○	○	"
-1355ME	"	"	○	○	"
-1359MD	"	"	○	○	"
-1359ME	"	"	○	○	"
-1371MD	"	"	○	○	"

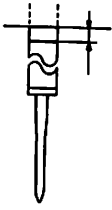
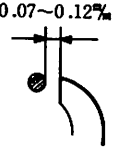


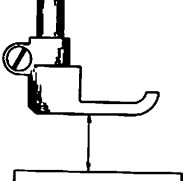
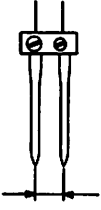
 Needle Guard	 Needle Guard	 Looper Thread Take-Up Cam	 Top Spreader	 Presser Foot Lifting Amount	 Needle Distance
—	○	7~10	A 5~6.5 B 1	5	4.8
—	○	"	"	"	5.6
—	○	"	"	"	6.4
—	○	"	"	"	5.6
—	○	"	"	"	6.4
—	○	"	"	"	5.6
—	○	"	"	"	6.4
—	○	"	"	"	5.6
—	○	"	"	"	6.4
—	○	"	"	"	5.6
—	○	"	"	"	6.4
—	○	"	"	"	5.6
—	○	"	"	"	6.4
—	○	"	"	"	5.6
—	○	"	"	"	6.4
—	○	"	"	"	5.6
—	○	"	"	"	6.4
—	○	"	"	"	5.6
—	○	"	"	"	6.4
—	○	"	"	"	5.6
—	○	"	"	"	6.4
—	○	"	"	"	5.6
—	○	"	"	"	6.4
—	○	"	"	"	5.6
—	○	"	"	"	6.4
—	○	"	"	"	5.6
—	○	"	"	"	6.4
—	○	"	"	"	5.6

Note: Mark ○...please refer to above figures.

<div style="text-align: center;">Specification and Adjustment (Unit: mm)</div> <div style="text-align: left; padding-top: 10px;">Models</div>	 Stitch Type	 Number of Needle	 Number of Thread	 Seam Width
DS - 100	401	1	2	-
DS - 100 - 1	"	1	2	-
DS - 102	"	2	4	-
DS - 103 E	"	2	4	-
DS - 105	"	1	2	-
DS - 130	"	1	2	-
DS - 131	"	1	2	-
DS - 211	"	1	2	-
DP - 2	301, 304	1	2	-
DP - 3	"	1	2	-
DP - 1111	301, 304	1	2	-
DP - 1112	"	1	2	-


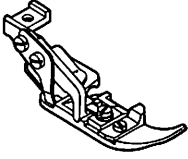
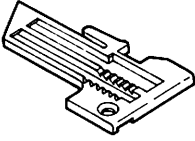
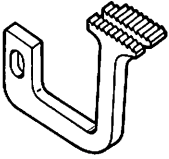
 Stitch Length	 Pitch of Feed Dog Teeth	 Differential Ratio (max.)	 Sewing Speed (max.)	 Remarks
1.3 ~ 3.6	1.6	1 : 2.6	6 5 0 0	normal double chain stitch
"	1.2	"	"	for "wash and wear" materials
"	1.6	"	"	two lines double chain stitching for seat seam
"	"	"	"	two lines double chain stitching
"	"	"	"	double chain stitch for attaching tape
2.5 ~ 5	2.5	1 : 2	5 0 0 0	double chain stitch for heavy duty
"	"	"	"	similar to DS-130 but with special presser foot
1.3 ~ 3.6	1.2	1 : 2.6	5 5 0 0	similar to DS-100, but with reverse feed system
1 ~ 4.2	1.6	-	2 5 0 0	zig-zag width 0~5 mm
1 ~ 7.3	"	-	"	" 0~8 mm
1 ~ 4	1.6	-	5 0 0 0	zig-zag width 0~6 mm
"	"	-	"	" 0~5 mm




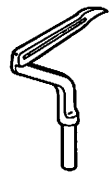
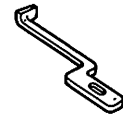

	 Needle Bar Stroke	 Looper	 Looper	 Needle Guard	 Needle Guard
DS - 100	2 8	2 ~ 2.5	○	○	-
- 100-1	"	"	○	○	-
- 102	"	"	○	○	-
- 103 E	3 1	3 ~ 3.5	-	-	○
- 105	2 8	2 ~ 2.5	○	○	-
- 130	3 3	2.5 ~ 3	○	-	○
- 131	"	"	○	-	○
DP - 2	3 3	-	-	-	-
- 3	"	-	-	-	-
DP - 1111	3 3	-	-	-	-
- 1112	"	-	-	-	-


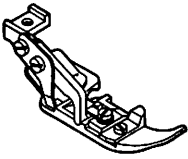
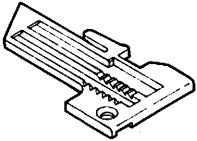
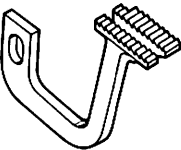
 Hook Timing Point	 Hook	 Needle Bar Height	 Hook	 Presser Foot Lifting Amount	 Needle Distance
-	-	-	-	5	-
-	-	-	-	"	-
-	-	-	-	6	0.4
-	-	10.5 ~ 11	-	"	6.4
-	-	-	-	5	-
-	-	-	-	7	-
-	-	-	-	"	-
-	○	20.5 ~ 21	2.5	6.5	-
-	○	"	"	"	-
2.3	○	-	2.3	6	-
"	○	-	"	"	-



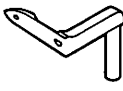
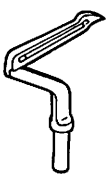
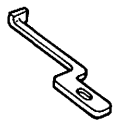

Note: Mark ○.....please refer to above figures

2-2 List of Main Spare Parts

Main Parts Models				
	Needle Bar	Presser Foot, Complete Set	Throat Plate	Differential Feed Dog
DCZ-200-D1	3 7 1 2 2	3 2 7 3 5	3 2 6 6 6	3 3 8 1 0
D1/K	"	3 3 4 7 9	"	"
D2	"	3 2 7 3 4	3 2 6 6 7	"
D2/K	"	3 3 4 8 0	"	"
D3	"	3 2 7 3 4	3 2 6 8 2	"
D3/K	"	3 3 4 8 0	"	"
DCZ-200-P1	"	3 2 7 3 5	3 2 6 6 6	
P2	"	3 2 7 3 4	3 2 6 6 7	
P3	"	"	3 2 6 8 2	
DCZ-201-D1	"	3 2 7 3 8	3 2 6 6 6	3 3 8 1 0
D1/K	"	3 3 4 8 1	"	"
D2	"	3 2 7 3 9	3 2 6 6 7	"
D2/K	"	3 3 4 8 2	"	"
D3	"	3 2 7 3 9	3 2 6 8 2	"
D3/K	"	3 3 4 8 2	"	"
DCZ-202-D5	"	3 2 5 4 2	3 2 5 7 0	3 3 8 1 9
DCZ-203-D1	"	3 2 7 4 7	3 2 6 7 1	3 3 8 1 3
D1/K	"	3 3 4 8 3	3 3 4 6 5	"
D2	"	3 2 7 4 8	3 2 6 7 2	"
D2/K	"	3 3 4 8 4	3 3 4 6 6	"
D2/MT	"	3 2 7 4 8	3 2 6 7 2	"
D2/BT	"	"	3 5 7 5 2	"
D3	"	3 2 7 4 8	3 2 6 7 3	"
D3/K	"	3 3 4 8 4	3 3 4 6 7	"
D3/MT	"	3 2 7 4 8	3 2 6 7 3	"
D3/BT	"	"	3 5 7 5 2	"
D4	"	3 2 3 9 4	3 4 2 5 8	3 3 8 1 5
DCZ-205	"	3 2 7 5 5	3 2 6 6 8	
DCZ-206	"	3 2 7 3 1	3 2 6 6 9	3 3 8 1 2


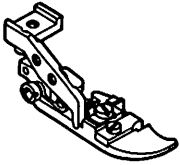
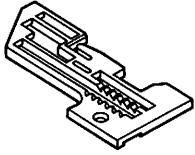
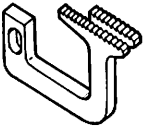
					
Main Feed Dog	Auxiliary Feed Dog	Upper Looper	Lower Looper	Needle Guard (Front)	Needle Guard (Rear)
3 3 8 1 1	3 2 8 8 3	3 2 8 0 7	3 4 3 9 2	3 2 6 5 5	3 3 8 7 1
"	3 3 4 6 1	"	"	"	"
"	3 2 8 8 3	"	"	"	"
"	3 3 4 6 1	"	"	"	"
"	3 2 8 8 3	"	"	"	"
"	3 3 4 6 1	"	"	"	"
"	3 2 8 8 3	"	"	"	"
"	"	"	"	"	"
"	"	"	"	"	"
3 3 8 1 1	"	"	"	"	"
"	3 3 4 6 1	"	"	"	"
"	3 2 8 8 3	"	"	"	"
"	3 3 4 6 1	"	"	"	"
"	3 2 8 8 3	"	"	"	"
"	"	"	"	"	"
3 3 8 1 8	3 2 5 5 7	3 2 5 3 9	3 2 5 4 1	3 2 5 4 4	"
3 3 8 1 4	3 2 8 8 3	3 2 8 0 7	3 4 3 9 2	3 2 6 5 5	"
"	3 3 4 6 1	"	"	"	"
"	3 2 8 8 3	"	"	"	"
"	3 3 4 6 1	"	"	"	"
"	3 2 8 8 3	"	"	"	"
"	"	"	"	"	"
"	"	"	"	"	"
"	3 3 4 6 1	"	"	"	"
"	3 2 8 8 3	"	"	"	"
"	"	"	"	"	"
"	"	"	"	3 2 5 4 4	"
"	3 2 8 9 3	"	"	3 2 6 5 5	"
3 3 8 1 1	3 2 8 8 3	"	"	"	"

Main Parts Models				
	Needle Bar	Presser Foot, Complete Set	Throat Plate	Differential Feed Dog
DCZ-215-D2	3 7 1 2 2	3 3 8 4 7	3 3 7 2 7	3 3 8 1 3
D2/MT	"	"	"	"
D3	"	"	3 3 7 2 8	"
D3/MT	"	"	"	"
DCZ-216	"	3 4 9 2 2	3 4 4 2 0	3 3 8 1 2
DCZ-220-D1	3 7 3 7 2	3 2 7 5 0	3 2 6 7 7	3 3 8 1 3
D1/K	"	3 3 4 8 5	3 3 4 7 8	"
DCZ-220W-D1	"	3 2 7 6 0	3 2 6 7 8	"
D1/K	"	3 3 4 9 9	3 3 4 9 7	"
DCZ-221-D1	"	3 2 3 4 3	3 2 3 4 0	"
DCZ-222-D2	"	3 2 5 7 9	3 2 5 7 1	3 3 8 1 9
223-D2	"	"	"	"
DCZ-237-D3	3 7 1 2 2	3 2 7 5 7	3 2 6 7 3	3 3 8 1 3
D3/K	"	3 3 3 4 9	3 3 4 6 7	"
DCZ-245-D2	"	3 3 3 4 7	3 2 6 7 2	3 3 3 4 3
DCZ-246-D1	3 7 3 7 2	3 3 3 5 8	3 2 6 7 7	"
DCZ-270-D1	"	3 2 7 5 0	"	3 3 8 1 3
270W-D1	"	3 2 7 6 0	3 2 6 7 8	"
DCZ-290-D1	3 7 1 2 2	3 4 8 3 1	3 5 9 4 5	3 5 9 4 9
D1/K	"	"	"	"
D2	"	3 4 8 3 2	3 5 9 4 6	"
D2/K	"	"	"	"
D3	"	"	3 5 9 4 7	"
D3/K	"	"	"	"




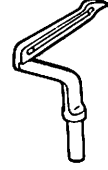
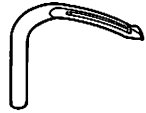
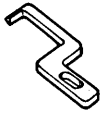
					
Main Feed Dog	Auxiliary Feed Dog	Upper Looper	Lower Looper	Needle Guard (Front)	Needle Guard (Rear)
3 3 8 1 4	3 2 3 4 1	3 2 8 0 7	3 4 3 9 2	3 2 6 5 5	3 3 8 7 1
"	"	"	"	"	"
"	"	"	"	"	"
"	"	"	"	"	"
3 3 8 1 1	3 3 3 2 8	"	"	"	"
3 3 8 1 4	3 2 8 8 3	3 3 6 1 0	3 4 3 9 3	3 2 6 5 6	3 3 8 7 5
"	3 3 4 6 1	"	"	"	"
"	3 2 8 8 3	"	"	3 2 3 5 9	"
"	3 3 4 6 1	"	"	"	"
"	3 2 3 4 1	3 2 8 1 1	"	3 2 6 5 6	"
3 3 8 1 8	3 2 5 5 7	3 2 5 3 9	3 2 4 1 6	3 2 5 4 5	3 3 8 7 2
"	"	3 2 5 4 0	"	"	"
3 3 8 1 4	3 2 8 8 3	(3 2 8 1 3)	3 2 3 3 6	3 2 6 5 5	3 3 8 7 1
"	3 3 4 6 1	(")	"	"	"
3 3 3 4 4	3 2 8 8 3	3 2 8 0 7	3 4 3 9 2	"	"
"	"	3 3 6 1 0	3 4 3 9 3	3 2 6 5 6	3 3 8 7 5
3 3 8 1 4	"	3 4 5 8 4	"	"	"
"	"	"	"	3 2 3 5 9	"
3 5 9 4 8	3 5 9 5 0	3 2 8 0 7	3 4 3 9 2	3 5 9 4 4	3 5 9 4 3
"	3 5 9 8 4	"	"	"	"
"	3 5 9 5 0	"	"	"	"
"	3 5 9 8 4	"	"	"	"
"	3 5 9 5 0	"	"	"	"
"	3 5 9 8 4	"	"	"	"

Note: () Spreader

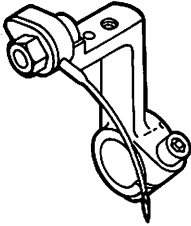
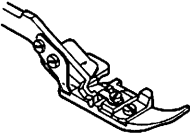
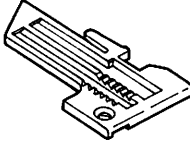
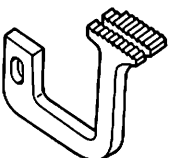
Note: To machines of Class DCZ-361, Same gauge parts as listed on this table shall be used even if any devices are fixed to them.



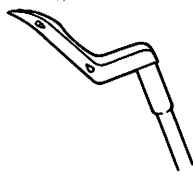
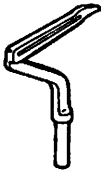


Main Parts Models				
	Needle Holder	Presser Foot, Complete Set	Throat Plate	Differential Feed Dog
DCZ-341C-D3 (K,MT,MV)	3 5 2 4 5	3 5 2 6 3	3 5 3 3 3	3 5 3 3 5
D3-1 (K,MT)	"	3 5 3 2 5	"	"
D4 (K,MT,MV)	"	3 5 2 6 3	3 5 3 3 4	"
D4-1 (K,MT)	"	3 5 3 2 5	"	"
DCZ-342C-D4 (K,MT)	"	3 5 2 6 3	"	"
D4-1 (K,MT)	"	3 5 3 2 5	"	"
DCZ-361A-D1 (K)	3 8 1 0 1	3 3 5 3 7	3 3 5 4 0	3 3 8 2 4
D2 (K,MT)	"	"	3 3 5 4 1	"
D4 (K)	"	3 3 5 3 3	3 3 5 3 1	3 3 8 3 6
ND2 (MT)	"	3 3 5 3 7	3 3 5 4 1	3 3 8 2 4
P2	"	"	"	(3 3 1 7 5)
DCZ-361C-D3 (K,MT)	3 3 2 4 7	3 3 5 3 9	3 3 5 4 5	3 3 8 2 8
ND3 (MT)	"	"	"	"
DCZ-361Y-D1 (K)	3 8 0 1 1	3 3 5 3 8	3 3 5 4 2	3 3 8 2 4
D2 (K,MT)	"	"	3 3 5 4 3	"
ND2 (MT)	"	"	"	"
P2	"	"	"	(3 3 1 7 5)
DCZ-362A-D1 (K)	3 8 1 0 1	3 3 5 3 7	3 3 5 4 0	3 3 8 2 4
D2 (K,MT)	"	"	3 3 5 4 1	"
DCZ-362C-D3 (K,MT)	3 3 2 4 7	3 3 5 3 9	3 3 5 4 5	3 3 8 2 8
DCZ-362Y-D1 (K)	3 8 0 1 1	3 3 5 3 8	3 3 5 4 2	3 3 8 2 4
D2 (K)	"	"	3 3 5 4 3	"
DCZ-365A-ND2	3 8 1 0 1	3 3 3 0 0	3 3 5 4 1	3 3 3 0 7
DCZ-365C-ND3	3 3 2 4 7	3 3 3 1 2	3 3 5 4 5	3 3 3 1 5
DCZ-366A-ND2	3 8 1 0 1	3 3 4 0 5	3 3 5 4 1	3 3 3 0 7
DCZ-367A-ND2 (MT)	"	3 3 3 0 0	"	"
DCZ-368A-D2 (MT)	"	3 3 3 1 9	3 3 3 2 1	3 3 8 2 4
DCZ-369A-D1	"	3 3 5 1 2	3 3 5 1 1	3 3 8 3 7
DCZ-920 (MT)	3 5 0 1 2	3 5 0 8 9	3 5 0 0 1	(3 5 0 0 6)

Note: () Plain Feed Dog

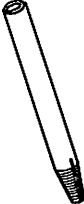
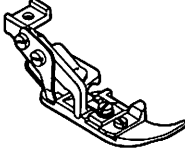
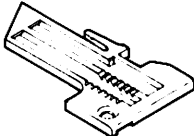
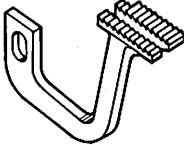
					
Main Feed Dog	Auxiliary Feed Dog	Upper Looper	Lower Looper	Front Looper	Needle Guard (Front) (Double chain stitch)
3 5 3 3 1	3 5 2 6 4	3 5 2 5 3	3 5 2 5 4	3 5 2 5 5	3 5 2 4 3
"	"	"	"	"	"
"	"	"	"	"	"
"	"	"	"	"	"
"	"	※(3 5 2 8 7)	3 5 2 8 8	"	"
"	"	※(")	"	"	"
3 3 8 2 5	3 3 5 4 4	3 2 8 0 7	3 4 3 9 2	3 3 0 5 9	3 3 0 8 9
"	"	"	"	"	"
"	"	"	"	"	3 3 5 3 6
"	"	"	"	"	3 3 0 8 9
	"	"	"	"	"
3 3 8 2 9	3 3 3 2 8	"	"	"	3 3 2 5 0
"	"	"	"	"	"
3 3 8 2 5	3 3 5 4 4	"	"	"	3 3 0 8 9
"	"	"	"	"	"
"	"	"	"	"	"
	"	"	"	"	"
3 3 8 2 5	"	※(3 2 8 1 3)	"	"	"
"	"	※(")	"	"	"
3 3 8 2 9	3 3 3 2 8	※(")	"	"	3 3 2 5 0
3 3 8 2 5	3 3 5 4 4	※(")	"	"	3 3 0 8 9
"	"	※(")	"	"	"
3 3 3 0 8	3 3 5 5 8	3 2 8 0 7	"	"	"
3 3 5 5 7	3 5 2 6 4	"	"	"	3 3 2 5 0
3 3 3 0 8	3 3 5 5 8	"	"	"	3 3 0 8 9
"	"	"	"	"	"
3 3 8 2 5	3 3 3 2 8	"	"	"	"
"	"	"	"	"	3 3 2 5 0
	3 5 0 1 1			" (2)	3 5 0 1 8




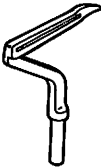
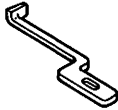

Note: ※ () Spreader


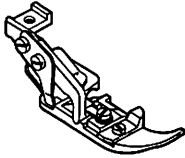
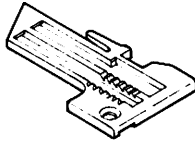
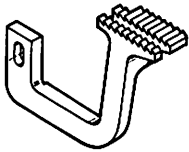
Main Parts Models	 Needle Driving Arm, Complete Set	 Presser Foot, Complete Set	 Throat Plate	 Differential Feed Dog
DCZ-400-D1	3 4 3 9 9	3 6 9 6 7	3 2 6 6 6	3 3 8 1 0
D1/K	"	3 6 9 7 8	"	"
D2	"	3 6 9 6 8	3 2 6 6 7	"
D2/K	"	3 6 9 7 9	"	"
D3	"	3 6 9 6 8	3 2 6 8 2	"
D3/K	"	3 6 9 7 9	"	"
DCZ-401-D1	"	3 6 9 6 9	3 2 6 6 6	"
D1/K	"	3 6 9 8 0	"	"
D2	"	3 6 9 7 0	3 2 6 6 7	"
D2/K	"	3 6 9 8 1	"	"
D3	"	3 6 9 7 0	3 2 6 8 2	"
D3/K	"	3 6 9 8 1	"	"
DCZ-403-D1	"	3 6 9 7 1	3 2 6 7 1	3 3 8 1 3
D1/K	"	3 6 9 8 2	3 3 4 6 5	"
D2	"	3 6 9 7 2	3 2 6 7 2	"
D2/K	"	3 6 9 8 3	3 3 4 6 6	"
D3	"	3 6 9 7 2	3 2 6 7 3	"
D3/K	"	3 6 9 8 3	3 3 4 6 7	"
DCZ-410	"	3 6 9 8 7	3 4 0 6 2	3 3 8 1 6
DCZ-420-D1	3 4 4 0 0	3 6 9 7 6	3 2 6 7 7	3 3 8 1 3
D1/K	"	3 6 9 8 4	3 3 4 7 8	"
DCZ-421-D1	"	3 4 3 4 9	3 2 3 4 0	"
D2	"	"	3 4 3 9 6	3 3 8 1 5
DCZ-437-D4	3 4 3 9 9	3 4 4 6 7	3 4 2 5 8	"
D4/K	"	3 4 4 6 8	"	"



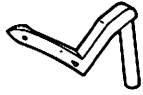
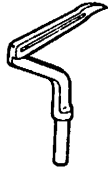
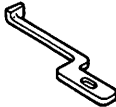

					
Main Feed Dog	Auxiliary Feed Dog	Upper Looper	Lower Looper	Needle Guard (Front)	Needle Guard (Rear)
3 3 8 1 1	3 2 8 8 3	3 4 1 1 3	3 4 3 9 2	3 4 0 5 7	3 4 0 5 8
"	3 3 4 6 1	"	"	"	"
"	3 2 8 8 3	"	"	"	"
"	3 3 4 6 1	"	"	"	"
"	3 2 8 8 3	"	"	"	"
"	3 3 4 6 1	"	"	"	"
"	3 2 8 8 3	"	"	"	"
"	3 3 4 6 1	"	"	"	"
"	3 2 8 8 3	"	"	"	"
"	3 3 4 6 1	"	"	"	"
"	3 2 8 8 3	"	"	"	"
"	3 3 4 6 1	"	"	"	"
"	3 2 8 8 3	"	"	"	"
"	3 3 4 6 1	"	"	"	"
"	3 2 8 8 3	"	"	"	"
3 3 8 1 4	3 2 8 8 3	"	"	"	"
"	3 3 4 6 1	"	"	"	"
"	3 2 8 8 3	"	"	"	"
"	3 3 4 6 1	"	"	"	"
"	3 2 8 8 3	"	"	"	"
"	3 3 4 6 1	"	"	"	"
"	3 2 8 8 3	(3 4 1 2 0)	"	"	"
"	"	3 4 3 9 5	3 4 3 9 3	"	3 4 2 4 6
"	3 3 4 6 1	"	"	"	"
"	3 2 3 4 1	3 4 3 5 0	"	"	"
"	"	"	"	"	"
"	3 4 2 6 2	(3 5 8 2 1)	3 5 8 2 6	"	3 5 8 2 2
"	3 4 2 6 3	(")	"	"	"

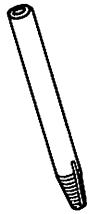
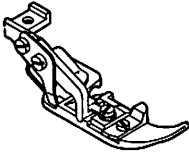
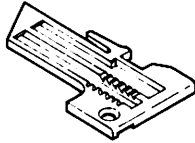
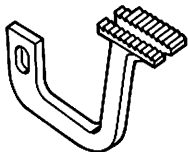
Note: () Spreader



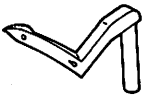
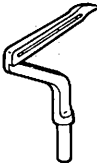
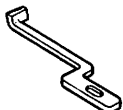

Main Parts Models				
	Needle Bar	Presser Foot Complete Set	Throat Plate	Differential Feed Dog
DCZ-500-D1	3 7 1 2 2	3 2 7 3 5	3 4 5 3 0	3 3 8 3 9
D1/K	"	3 3 4 7 9	"	"
D2	"	3 3 7 3 4	3 4 5 3 1	"
D2/K	"	3 3 4 8 0	"	"
D3	"	3 3 7 3 4	3 4 5 3 2	"
D3/K	"	3 3 4 8 0	"	"
DCZ-500-ND1	"	3 2 7 3 5	3 4 5 3 0	"
ND1/K	"	3 3 4 7 9	"	"
ND2	"	3 3 7 3 4	3 4 5 3 1	"
ND2/K	"	3 3 4 8 0	"	"
ND3	"	3 3 7 3 4	3 4 5 3 2	"
ND3/K	"	3 3 4 8 0	"	"
DCZ-501-D1	"	3 2 7 3 8	3 4 5 3 0	"
D1/K	"	3 3 4 8 1	"	"
D2	"	3 2 7 3 9	3 4 5 3 1	"
D2/K	"	3 3 4 8 2	"	"
D3	"	3 2 7 3 9	3 4 5 3 2	"
D3/K	"	3 3 4 8 2	"	"
DCZ-501-ND1	"	3 2 7 3 8	3 4 5 3 0	"
ND1/K	"	3 3 4 8 1	"	"
ND2	"	3 2 7 3 9	3 4 5 3 1	"
ND2/K	"	3 3 4 8 2	"	"
ND3	"	3 2 7 3 9	3 4 5 3 2	"
ND3/K	"	3 3 4 8 2	"	"
DCZ-503-D1	"	3 2 7 4 7	3 4 5 6 4	3 3 8 4 0
D1/K	"	3 3 4 8 3	"	"
D2	"	3 2 7 4 8	3 4 5 6 5	"
D2/K	"	3 3 4 8 4	"	"
D2/MT	"	3 2 7 4 8	"	"
D2/BT	"	"	3 5 7 5 2	"



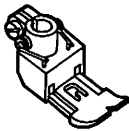
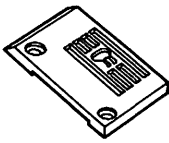
					
Main Feed Dog	Auxiliary Feed Dog	Upper Looper	Lower Looper	Needle Guard (Front)	Needle Guard (Rear)
3 3 8 1 1	3 2 8 8 3	3 4 5 1 9	3 4 3 9 2	3 2 6 5 5	3 3 8 7 1
"	3 3 4 6 1	"	"	"	"
"	3 2 8 8 3	"	"	"	"
"	3 3 4 6 1	"	"	"	"
"	3 2 8 8 3	"	"	"	"
"	3 3 4 6 1	"	"	"	"
"	3 2 8 8 3	"	"	"	"
"	3 3 4 6 1	"	"	"	"
"	3 2 8 8 3	"	"	"	"
"	3 3 4 6 1	"	"	"	"
"	3 2 8 8 3	"	"	"	"
"	3 3 4 6 1	"	"	"	"
"	3 2 8 8 3	"	"	"	"
"	3 3 4 6 1	"	"	"	"
"	3 2 8 8 3	"	"	"	"
"	3 3 4 6 1	"	"	"	"
"	3 2 8 8 3	"	"	"	"
"	3 3 4 6 1	"	"	"	"
"	3 2 8 8 3	"	"	"	"
"	3 3 4 6 1	"	"	"	"
"	3 2 8 8 3	"	"	"	"
"	3 3 4 6 1	"	"	"	"
"	3 2 8 8 3	"	"	"	"
"	3 3 4 6 1	"	"	"	"
"	3 2 8 8 3	"	"	"	"
"	3 3 4 6 1	"	"	"	"
"	3 2 8 8 3	"	"	"	"
3 3 8 1 4	3 2 8 8 3	"	"	"	"
"	3 3 4 6 1	"	"	"	"
"	3 2 8 8 3	"	"	"	"
"	3 3 4 6 1	"	"	"	"
"	3 2 8 8 3	"	"	"	"
"	"	"	"	"	"



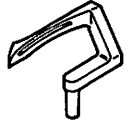
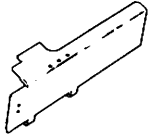
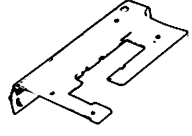
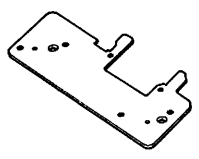
Main Parts Models				
	Needle Bar	Presser Foot, Complete Set	Throat Plate	Differential Feed Dog
DCZ-503-D3	3 7 1 2 2	3 2 7 4 8	3 4 5 6 6	3 3 8 4 0
D3/K	"	3 3 4 8 4	"	"
D3/MT	"	3 2 7 4 8	"	"
D3/BT	"	"	3 5 7 6 5	"
D4	"	3 2 3 9 4	3 4 5 6 7	3 3 8 4 1
DCZ-503-ND1	"	3 2 7 4 7	3 4 5 6 4	3 3 8 4 0
ND1/K	"	3 3 4 8 3	"	"
ND2	"	3 2 7 4 8	3 4 5 6 5	"
ND2/K	"	3 3 4 8 4	"	"
ND2/MT	"	3 2 7 4 8	"	"
ND2/BT	"	"	3 5 7 5 2	"
ND3	"	"	3 4 5 6 6	"
ND3/K	"	3 3 4 8 4	"	"
ND3/MT	"	3 2 7 4 8	"	"
ND3/BT	"	"	3 5 7 6 5	"
ND4	"	3 2 3 9 4	3 4 5 6 7	3 3 8 4 1
DCZ-515-D2	"	3 3 8 4 7	3 4 6 7 1	3 3 8 4 0
D2/MT	"	"	"	"
D3	"	"	3 4 6 7 2	"
D3/MT	"	"	"	"
ND2	"	"	3 4 6 7 1	"
ND2/MT	"	"	"	"
ND3	"	"	3 4 6 7 2	"
ND3/MT	"	"	"	"
DCZ-520-D1	3 7 3 7 2	3 2 7 5 0	3 4 5 8 5	"
D1/K	"	3 3 4 8 5	"	"
ND1	"	3 2 7 5 0	"	"
ND1/K	"	3 3 4 8 5	"	"
D4	"	3 4 7 4 7	3 4 7 4 5	3 3 8 4 1
ND4	"	"	"	"

					
Main Feed Dog	Auxiliary Feed Dog	Upper Looper	Lower Looper	Needle Guard (Front)	Needle Guard (Rear)
3 3 8 1 4	3 2 8 8 3	3 4 5 1 9	3 4 3 9 2	3 2 6 5 5	3 3 8 7 1
"	3 3 4 6 1	"	"	"	"
"	3 2 8 8 3	"	"	"	"
"	"	"	"	"	"
"	"	"	"	3 2 5 4 4	"
"	"	"	"	3 2 6 5 5	"
"	3 3 4 6 1	"	"	"	"
"	3 2 8 8 3	"	"	"	"
"	3 3 4 6 1	"	"	"	"
"	3 2 8 8 3	"	"	"	"
"	"	"	"	"	"
"	"	"	"	"	"
"	3 3 4 6 1	"	"	"	"
"	3 2 8 8 3	"	"	"	"
"	"	"	"	"	"
"	"	"	"	3 2 5 4 4	"
"	3 5 2 6 4	"	"	3 2 6 5 5	"
"	"	"	"	"	"
"	"	"	"	"	"
"	"	"	"	"	"
"	"	"	"	"	"
"	"	"	"	"	"
"	"	"	"	"	"
"	"	"	"	"	"
"	"	"	"	"	"
"	3 2 8 8 3	3 4 5 8 4	3 4 3 9 3	3 2 6 5 6	3 3 8 7 5
"	3 3 4 6 1	"	"	"	"
"	3 2 8 8 3	"	"	"	"
"	3 3 4 6 1	"	"	"	"
"	3 4 7 4 6	3 4 7 4 9	"	3 2 5 4 5	"
"	"	"	"	"	"



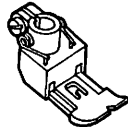
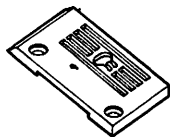
Main Parts Models				
	Needle Bar	Presser Foot, Complete Set	Throat Plate	Differential Feed Dog
DCZ-520W-D1	3 7 3 7 2	3 2 7 6 0	3 4 5 9 3	3 3 8 4 0
D1/K	"	3 3 4 9 9	"	"
ND1	"	3 2 7 6 0	"	"
ND1/K	"	3 3 4 9 9	"	"
DCZ-521-D1	"	3 2 3 4 3	3 4 6 0 0	"
D2	"	3 4 7 3 1	3 4 7 2 9	3 3 8 4 1
ND1	"	3 2 3 4 3	3 4 6 0 0	3 3 8 4 0
ND2	"	3 4 7 3 1	3 4 7 2 9	3 3 8 4 1
DCZ-525-D1	"	3 4 7 5 1	3 4 6 0 0	3 3 8 4 0
D1/MT	"	"	"	"
ND1	"	"	"	"
ND1/MT	"	"	"	"
DCZ-545-ND2	3 7 1 2 2	3 3 3 4 7	3 4 5 6 5	3 3 3 4 3
DCZ-546-ND1	3 7 3 7 2	3 3 3 5 8	3 4 5 8 5	"
DCZ-547-ND1	"	"	3 4 6 0 0	"
DCZ-553-D3	3 7 1 2 2	3 4 6 9 2	3 4 6 9 0	3 4 7 0 6
D3-1	"	3 2 7 4 8	3 4 5 6 6	3 3 8 4 0
DCZ-554-D1	3 7 3 7 2	3 4 6 9 3	3 4 6 9 1	3 4 7 0 6
D1-1	"	3 2 7 5 0	3 4 5 8 5	3 3 8 4 0
DCZ-560-ND1/CH	3 7 1 2 2	3 6 1 3 7	3 6 1 2 9	3 6 1 2 3
ND2/CH	"	3 6 1 3 8	3 6 1 3 0	"
ND3/CH	"	"	3 6 1 3 1	"
DCZ-581-ND1	"	3 4 9 4 6	3 4 9 4 0	3 4 9 4 5
ND2	"	3 4 9 4 7	3 4 9 4 1	"
ND3	"	"	3 4 9 4 2	"
DCZ-582-ND1	"	3 4 8 3 1	3 4 8 2 8	"
ND1/K	"	"	"	"
ND2	"	3 4 8 3 2	3 4 8 2 9	"
ND2/K	"	"	"	"
ND3	"	"	3 4 8 3 0	"
ND3/K	"	"	"	"




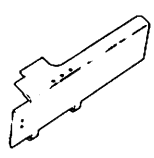
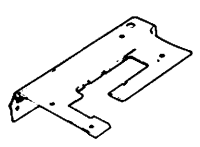
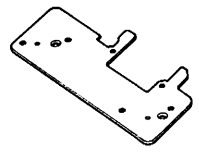
 Main Feed Dog	 Auxiliary Feed Dog	 Upper Looper	 Lower Looper	 Needle Guard (Front)	 Needle Guard (Rear)
3 3 8 1 4	3 2 8 8 3	3 4 5 8 4	3 4 3 9 3	3 2 3 5 9	3 3 8 7 5
"	3 3 4 6 1	"	"	"	"
"	3 2 8 8 3	"	"	"	"
"	3 3 4 6 1	"	"	"	"
"	3 2 3 4 1	3 4 7 3 0	"	3 2 6 5 6	"
"	"	"	"	3 2 5 4 5	"
"	"	"	"	3 2 6 5 6	"
"	"	"	"	3 2 5 4 5	"
"	"	3 4 5 8 4	"	3 2 6 5 6	"
"	"	"	"	"	"
"	"	"	"	"	"
"	"	"	"	"	"
3 3 3 4 4	3 2 8 8 3	3 4 5 1 9	3 4 3 9 2	3 2 6 5 5	3 3 8 7 1
"	"	3 4 5 8 4	3 4 3 9 3	3 2 6 5 6	3 3 8 7 5
"	3 2 3 4 1	3 4 7 3 0	"	"	"
3 4 7 0 5	3 2 8 8 3	3 4 6 1 7	3 4 6 1 6	3 4 7 0 1	3 3 8 7 1
3 3 8 1 4	"	"	"	"	"
3 4 7 0 5	"	3 4 6 1 8	3 4 6 1 9	3 4 7 0 2	3 3 8 7 5
3 3 8 1 4	"	"	"	"	"
3 4 9 4 4	"	3 4 5 1 9	3 4 3 9 2	3 2 6 5 5	3 3 8 7 1
"	"	"	"	"	"
"	"	"	"	"	"
"	"	"	"	"	"
"	"	"	"	"	"
"	"	"	"	"	"
"	"	"	"	"	"
"	"	"	"	"	"
"	"	"	"	"	"
"	"	"	"	"	"
"	"	"	"	"	"
"	"	"	"	"	"
"	"	"	"	"	"
"	"	"	"	"	"



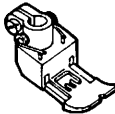
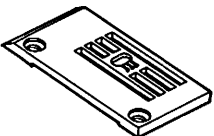
Main Parts Models				
	Needle Bar	Needle Bar, Complete Set	Presser Foot, Complete Set	Throat Plate
DV-100MA	9 1 1 2 5	9 0 0 0 1	9 1 1 3 1	9 1 1 0 0
MB	9 1 1 2 6	9 0 0 0 2	9 1 1 3 2	9 1 1 0 1
MC	9 1 1 2 7	9 0 0 0 3	9 1 1 3 3	9 1 1 0 2
MD	9 1 1 2 8	9 0 0 0 4	9 1 1 3 4	9 1 1 0 3
ME	9 1 1 2 9	9 0 0 0 5	9 1 1 3 5	9 1 1 0 4
DV-100SMA	9 1 1 2 5	9 0 0 0 1	9 1 1 9 1	9 1 1 0 0
MB	9 1 1 2 6	9 0 0 0 2	9 1 1 9 2	9 1 1 0 1
DV-101MA	9 1 1 2 5	9 0 0 0 1	9 1 2 3 1	9 1 1 0 0
MB	9 1 1 2 6	9 0 0 0 2	9 1 2 3 2	9 1 1 0 1
MC	9 1 1 2 7	9 0 0 0 3	9 1 2 3 3	9 1 1 0 2
MD	9 1 1 2 8	9 0 0 0 4	9 1 2 3 4	9 1 1 0 3
ME	9 1 1 2 9	9 0 0 0 5	9 1 2 3 5	9 1 1 0 4
DV-103MA	9 1 1 2 5	9 0 0 0 1	9 4 2 1 5	9 1 6 7 5
MA/EC	"	"	"	"
MB	9 1 1 2 6	9 0 0 0 2	9 4 2 1 6	9 1 6 7 6
MB/EC	"	"	"	"
MC	9 1 1 2 7	9 0 0 0 3	9 4 2 1 7	9 1 6 7 7
ME	9 1 1 2 9	9 0 0 0 5	9 4 2 1 9	9 1 6 7 9
DV-104MA	9 1 1 2 5	9 0 0 0 1	9 4 2 1 5	9 1 6 7 5
MB	9 1 1 2 6	9 0 0 0 2	9 4 2 1 6	9 1 6 7 6
MC	9 1 1 2 7	9 0 0 0 3	9 4 2 1 7	9 1 6 7 7
ME	9 1 1 2 9	9 0 0 0 5	9 4 2 1 9	9 1 6 7 9
DV-105MA	9 1 1 2 5	9 0 0 0 1	9 1 1 9 1	9 1 1 0 0
MA/EC	"	"	"	"
MB	9 1 1 2 6	9 0 0 0 2	9 1 1 9 2	9 1 1 0 1
MB/EC	"	"	"	"
DV-109MA	9 1 1 2 5	9 0 0 0 1	9 1 9 6 5	9 1 9 4 1
MA/EC	"	"	"	"
MB	9 1 1 2 6	9 0 0 0 2	9 1 9 6 6	9 1 9 4 2
MB/EC	"	"	"	"


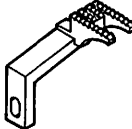

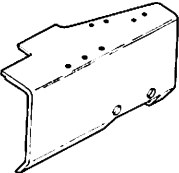
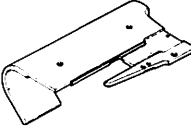
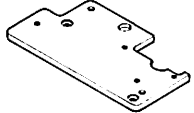
					
Differential Feed Dog	Main Feed Dog	Looper	Front Cover	Cloth Plate	Throat Plate Supporter
9 0 6 2 5	9 0 6 2 4	9 0 5 2 9	9 0 1 0 6	9 0 1 0 9	9 0 1 0 8
"	"	"	"	"	"
"	"	"	"	"	"
"	"	"	"	"	"
9 0 6 3 2	9 0 6 3 4	"	9 0 1 6 0	"	"
9 0 6 2 5	9 0 6 2 4	"	9 0 1 0 6	"	"
"	"	"	"	"	"
(9 1 2 2 8)		"	"	"	"
"		"	"	"	"
"		"	"	"	"
"		"	"	"	"
(9 1 2 2 9)		"	9 0 1 6 0	"	"
9 1 7 2 8	9 1 7 2 9	"	9 1 6 9 9	9 1 7 0 0	9 1 7 0 4
"	"	"	"	9 2 2 4 1	9 2 2 1 8
"	"	"	"	9 1 7 0 0	9 1 7 0 4
"	"	"	"	9 2 2 4 1	9 2 2 1 8
"	"	"	"	9 1 7 0 0	9 1 7 0 4
9 1 7 6 0	9 1 7 5 9	"	"	"	"
9 1 7 2 8	9 1 7 2 9	"	"	"	"
"	"	"	"	"	"
"	"	"	"	"	"
9 1 7 6 0	9 1 7 5 9	"	"	"	"
9 0 6 2 5	9 0 6 2 4	"	9 0 1 0 6	9 0 1 0 9	9 0 1 0 8
"	"	"	"	9 1 8 8 9	9 2 1 6 6
"	"	"	"	9 0 1 0 9	9 0 1 0 8
"	"	"	"	9 1 8 8 9	9 2 1 6 6
9 2 1 4 6	9 2 1 4 5	"	"	9 1 9 6 8	9 1 9 7 5
"	"	"	"	9 2 1 6 3	9 2 1 6 5
"	"	"	"	9 1 9 6 8	9 1 9 7 5
"	"	"	"	9 2 1 6 3	9 2 1 6 5



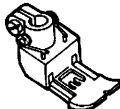
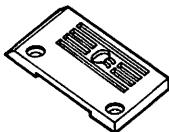
Note : ()...Plain Feed Dog.


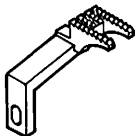

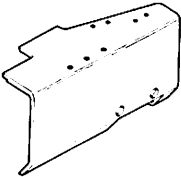
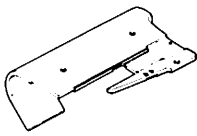
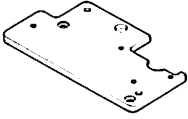
Main Parts Models				
	Needle Bar	Needle Bar, Complete Set	Presser Foot, Complete Set	Throat Plate
DW-100MC	9 0 3 3 5	9 0 3 4 2	9 0 7 3 2	9 0 1 6 5
MD	9 0 3 3 6	9 0 3 4 4	9 0 7 2 2	9 0 1 6 6
ME	9 0 3 3 7	9 0 3 4 5	9 0 7 3 1	9 0 1 6 7
DW-100S-MD	9 0 3 3 6	9 0 3 4 4	9 1 1 9 7	9 0 1 6 6
ME	9 0 3 3 7	9 0 3 4 5	9 1 1 9 8	9 0 1 6 7
DW-103MD	9 0 3 3 6	9 0 3 4 4	9 4 9 0 8	9 1 7 6 4
MD/EC	"	"	"	"
ME	9 0 3 3 7	9 0 3 4 5	9 4 9 0 9	9 1 7 6 5
ME/EC	"	"	"	"
DW-104MD	9 0 3 3 7	9 0 3 4 4	9 4 9 0 8	9 1 7 6 4
ME	9 0 3 3 7	9 0 3 4 5	9 4 9 0 9	9 1 7 6 5
DW-105MD	9 0 3 3 6	9 0 3 4 4	9 1 1 9 7	9 0 1 6 6
MD/EC	"	"	"	"
ME	9 0 3 3 7	9 0 3 4 5	9 1 1 9 8	9 0 1 6 7
ME/EC	"	"	"	"
DW-109MD	9 0 3 3 6	9 0 3 4 4	9 2 1 5 8	9 2 1 5 2
MD/EC	"	"	"	"
ME	9 0 3 3 7	9 0 3 4 5	9 2 1 5 9	9 2 1 5 3
ME/EC	"	"	"	"



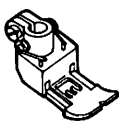
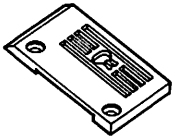
					
Differential Feed Dog	Main Feed Dog	Looper	Front Cover	Cloth Plate	Throat Plate Supporter
9 0 6 2 5	9 0 6 2 4	9 0 5 2 9	9 0 1 0 6	9 0 1 0 9	9 0 1 0 8
"	"	"	"	"	"
9 0 6 3 2	9 0 6 3 4	"	9 0 1 6 0	"	"
9 0 6 2 5	9 0 6 2 4	"	9 0 1 0 6	"	"
9 0 6 3 2	9 0 6 3 4	"	9 0 1 6 0	"	"
9 0 6 2 5	9 0 6 2 4	"	9 1 6 9 9	9 1 7 0 0	9 1 7 0 4
"	"	"	"	9 2 2 4 1	9 2 2 1 8
9 0 6 3 2	9 0 6 3 4	"	"	9 1 7 0 0	9 1 7 0 4
"	"	"	"	9 2 2 4 1	9 2 2 1 8
9 0 6 2 5	9 0 6 2 4	"	"	9 1 7 0 0	9 1 7 0 4
9 0 6 3 2	9 0 6 3 4	"	"	"	"
9 0 6 2 5	9 0 6 2 4	"	9 0 1 0 6	9 0 1 0 9	9 0 1 0 8
"	"	"	"	9 1 8 8 9	9 2 1 6 6
9 0 6 3 2	9 0 6 3 4	"	9 0 1 6 0	9 0 1 0 9	9 0 1 0 8
"	"	"	"	9 1 8 8 9	9 2 1 6 6
9 0 6 2 5	9 0 6 2 4	"	9 0 1 0 6	9 1 9 6 8	9 1 9 7 5
"	"	"	"	9 2 1 6 3	9 2 1 6 5
9 0 6 3 2	9 0 6 3 4	"	9 0 1 6 0	9 1 9 6 8	9 1 9 7 5
"	"	"	"	9 2 1 6 3	9 2 1 6 5


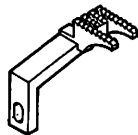
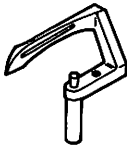
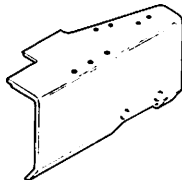
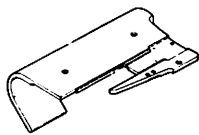
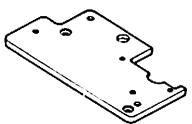
Main Parts Models				
	Needle Bar	Needle Bar, Complete Set	Presser Foot, Complete Set	Throat Plate
DV-1250MA	9 3 2 2 3	9 3 2 3 1	9 1 1 3 1	9 3 1 7 0
MB	9 3 2 2 4	9 3 2 3 2	9 1 1 3 2	9 3 1 7 1
MC	9 3 2 2 5	9 3 2 3 3	9 1 1 3 3	9 3 1 7 2
MD	9 3 2 2 6	9 3 2 3 4	9 1 1 3 4	9 3 1 7 3
ME	9 3 2 2 7	9 3 2 3 5	9 1 1 3 5	9 3 1 7 4
DV-1253MA	9 3 2 2 3	9 3 2 3 1	9 4 2 1 5	9 4 2 8 1
MA/EC	"	"	"	"
MB	9 3 2 2 4	9 3 2 3 2	9 4 2 1 6	9 4 2 8 2
MB/EC	"	"	"	"
MC	9 3 2 2 5	9 3 2 3 3	9 4 2 1 7	9 4 2 8 3
ME	9 3 2 2 7	9 3 2 3 5	9 4 2 1 9	9 4 2 8 5
DV-1254MA	9 3 2 2 3	9 3 2 3 1	9 4 2 1 5	9 4 2 8 1
MB	9 3 2 2 4	9 3 2 3 2	9 4 2 1 6	9 4 2 8 2
MC	9 3 2 2 5	9 3 2 3 3	9 4 2 1 7	9 4 2 8 3
ME	9 3 2 2 7	9 3 2 3 5	9 4 2 1 9	9 4 2 8 5
DV-1255MA	9 3 2 2 3	9 3 2 3 1	9 1 1 9 1	9 3 1 7 0
MA/EC	"	"	"	"
MB	9 3 2 2 4	9 3 2 3 2	9 1 1 9 2	9 3 1 7 1
MB/EC	"	"	"	"
DV-1258	9 4 5 0 6		9 4 5 0 0	9 4 5 0 7
DV-1259MA	9 3 2 2 3	9 3 2 3 1	9 1 9 6 5	9 1 9 4 1
MA/EC	"	"	"	"
MB	9 3 2 2 4	9 3 2 3 2	9 1 9 6 6	9 1 9 4 2
MB/EC	"	"	"	"
DV-1261MA	9 3 2 2 3	9 3 2 3 1	9 4 8 5 2	9 4 6 1 0
MB	9 3 2 2 4	9 3 2 3 2	9 4 8 5 3	9 4 6 1 1
MC	9 3 2 2 5	9 3 2 3 3	9 4 8 5 4	9 4 6 1 2
MD	9 3 2 2 6	9 3 2 3 4	9 4 8 5 5	9 4 6 1 3
ME	9 3 2 2 7	9 3 2 3 5	9 4 8 5 6	9 4 6 1 4

					
Differential Feed Dog	Main Feed Dog	Looper	Front Cover	Cloth Plate	Throat Plate Supporter
9 3 3 9 4	9 3 3 9 5	9 4 4 8 0	9 3 0 0 6	9 3 0 0 5	9 3 0 3 1
"	"	"	"	"	"
"	"	"	"	"	"
"	"	"	"	"	"
9 3 3 9 6	9 3 3 9 7	"	9 3 0 4 8	"	"
9 4 2 6 0	9 4 2 6 1	"	9 4 2 0 0	"	"
"	"	"	"	9 4 2 5 0	9 4 2 5 1
"	"	"	"	9 3 0 0 5	9 3 0 3 1
"	"	"	"	9 4 2 5 0	9 4 2 5 1
"	"	"	"	9 3 0 0 5	9 3 0 3 1
9 4 2 6 2	9 4 2 6 3	"	"	"	"
9 4 2 6 0	9 4 2 6 1	"	"	9 4 2 7 2	"
"	"	"	"	"	"
"	"	"	"	"	"
9 4 2 6 2	9 4 2 6 3	"	"	"	"
9 3 3 9 4	9 3 3 9 5	"	9 3 0 0 6	9 3 0 0 5	9 3 0 3 1
"	"	"	"	9 4 2 5 0	9 4 2 5 1
"	"	"	"	9 3 0 0 5	9 3 0 3 1
"	"	"	"	9 4 2 5 0	9 4 2 5 1
9 4 5 1 7	9 4 5 1 8	9 4 5 1 0	"	9 3 0 0 5	9 3 0 3 1
9 4 5 9 2	9 4 5 9 3	9 4 4 8 0	9 4 5 2 4	9 4 5 2 3	"
"	"	"	"	9 4 5 8 3	9 4 2 5 1
"	"	"	"	9 4 5 2 3	9 3 0 3 1
"	"	"	"	9 4 5 8 3	9 4 2 5 1
9 4 6 2 8	9 3 3 9 5	"	9 3 0 0 6	9 3 0 0 5	9 3 0 3 1
"	"	"	"	"	"
"	"	"	"	"	"
"	"	"	"	"	"
9 4 6 2 9	9 3 3 9 7	"	9 3 0 4 8	"	"

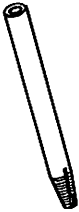
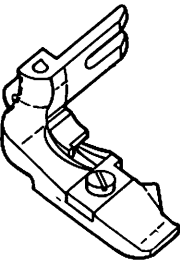
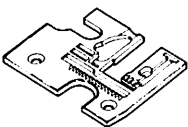
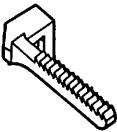
Main Parts Models				
	Needle Bar	Needle Bar, Complete Set	Presser Foot, Complete Set	Throat Plate
DV-1261LA	9 3 2 2 3	9 3 2 3 1	9 4 8 5 2	9 4 4 9 7
LA/UT	"	"	"	"
LB	9 3 2 2 4	9 3 2 3 2	9 4 8 5 3	9 4 4 9 8
LB/UT	"	"	"	"
LC	9 3 2 2 5	9 3 2 3 3	9 4 8 5 4	9 4 4 9 9
LC/UT	"	"	"	"
LA-1/UT	9 3 2 2 3	9 3 2 3 1	9 4 8 7 1	9 4 8 6 1
LB-1/UT	9 3 2 2 4	9 3 2 3 2	9 4 8 7 2	9 4 8 6 2
LC-1/UT	9 3 2 2 5	9 3 2 3 3	9 4 8 7 3	9 4 8 6 3
DV-1262MA	9 3 2 2 3	9 3 2 3 1	9 4 8 5 2	9 3 1 7 0
MB	9 3 2 2 4	9 3 2 3 2	9 4 8 5 3	9 3 1 7 1
MC	9 3 2 2 5	9 3 2 3 3	9 4 8 5 4	9 3 1 7 2
MD	9 3 2 2 6	9 3 2 3 4	9 4 8 5 5	9 3 1 7 3
ME	9 3 2 2 7	9 3 2 3 5	9 4 8 5 6	9 3 1 7 4
LA	9 3 2 2 3	9 3 2 3 1	9 4 8 5 2	9 4 4 8 7
LA/UT	"	"	"	"
LB	9 3 2 2 4	9 3 2 3 2	9 4 8 5 3	9 4 4 8 8
LB/UT	"	"	"	"
LC	9 3 2 2 5	9 3 2 3 3	9 4 8 5 4	9 4 4 8 9
LC/UT	"	"	"	"
LA-1/UT	9 3 2 2 3	9 3 2 3 1	9 4 8 7 1	9 4 9 5 1
LB-1/UT	9 3 2 2 4	9 3 2 3 2	9 4 8 7 2	9 4 9 5 2
LC-1/UT	9 3 2 2 5	9 3 2 3 3	9 4 8 7 3	9 4 9 5 3
DV-1265LA/UT	9 3 2 2 3	9 3 2 3 1	9 4 8 5 2	9 4 4 8 7
LB/UT	9 3 2 2 4	9 3 2 3 2	9 4 8 5 3	9 4 4 8 8
DW-1350MC	9 4 8 1 3	9 4 8 1 6	9 0 7 3 2	9 4 8 0 0
MD	9 4 8 1 4	9 4 8 1 7	9 0 7 2 2	9 4 8 0 1
ME	9 4 8 1 5	9 4 8 1 8	9 0 7 3 1	9 4 8 0 2
DW-1353MD	9 4 8 1 4	9 4 8 1 7	9 4 9 0 8	9 4 9 2 1
MD/EC	"	"	"	"

					
Differential Feed Dog	Main Feed Dog	Looper	Front Cover	Cloth Plate	Throat Plate Supporter
9 4 6 2 8	9 3 3 9 5	9 4 4 8 0	9 3 0 0 6	9 3 0 0 5	9 3 0 3 1
"	"	"	"	9 4 4 6 2	9 4 4 0 0
"	"	"	"	9 3 0 0 5	9 3 0 3 1
"	"	"	"	9 4 4 6 2	9 4 4 0 0
"	"	"	"	9 3 0 0 5	9 3 0 3 1
"	"	"	"	9 4 4 6 2	9 4 4 0 0
"	9 4 8 6 8	"	"	"	"
"	"	"	"	"	"
"	"	"	"	"	"
9 3 3 9 4	9 3 3 9 5	"	9 4 6 7 7	9 3 0 0 5	9 3 0 3 1
"	"	"	"	"	"
"	"	"	"	"	"
"	"	"	"	"	"
9 3 3 9 6	9 3 3 9 7	"	"	"	"
9 3 3 9 4	9 3 3 9 5	"	"	"	"
"	"	"	"	9 4 4 6 2	9 4 4 0 0
"	"	"	"	9 3 0 0 5	9 3 0 3 1
"	"	"	"	9 4 4 6 2	9 4 4 0 0
"	"	"	"	9 3 0 0 5	9 3 0 3 1
"	"	"	"	9 4 4 6 2	9 4 4 0 0
9 3 3 9 4	9 4 8 6 8	"	"	"	"
"	"	"	"	"	"
"	"	"	"	"	"
9 4 6 2 8	9 3 3 9 5	"	9 3 0 0 6	"	"
"	"	"	"	"	"
9 3 3 9 4	"	"	"	9 3 0 0 5	9 3 0 3 1
"	"	"	"	"	"
9 3 3 9 6	9 3 3 9 7	"	9 3 0 4 8	"	"
9 4 2 6 0	9 4 2 6 1	"	9 4 2 0 0	"	"
"	"	"	"	9 4 2 5 0	9 4 2 5 1






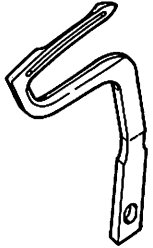
Main Parts Models				
	Needle Bar	Needle Bar, Complete Set	Presser Foot, Complete Set	Throat Plate
DW-1353ME	9 4 8 1 5	9 4 8 1 8	9 4 9 0 9	9 4 9 2 2
ME/EC	"	"	"	"
DW-1354MD	9 4 8 1 4	9 4 8 1 7	9 4 9 0 8	9 4 9 2 1
ME	9 4 8 1 5	9 4 8 1 8	9 4 9 0 9	9 4 9 2 2
DW-1355MD	9 4 8 1 4	9 4 8 1 7	9 1 1 9 7	9 4 8 0 1
MD/EC	"	"	"	"
ME	9 4 8 1 5	9 4 8 1 8	9 1 1 9 8	9 4 8 0 2
ME/EC	"	"	"	"
DW-1359MD	9 4 8 1 4	9 4 8 1 7	9 2 1 5 8	9 2 1 5 2
MD/EC	"	"	"	"
ME	9 4 8 1 5	9 4 8 1 8	9 2 1 5 9	9 2 1 5 3
ME/EC	"	"	"	"
DW-1371MD	9 4 8 1 4	9 4 8 1 7	9 5 0 3 5	9 5 0 3 0
DS-100	6 0 0 6 0		6 0 1 5 4	6 0 0 5 0
100/UT	"		"	"
100-1	"		6 0 2 5 6	"
DS-102	6 0 2 8 2		6 0 2 9 1	6 0 2 8 1
DS-103E	6 0 3 2 0		6 0 3 6 7	6 0 3 6 1
DS-105	6 0 0 6 0		6 0 3 4 5	6 0 3 4 2
DS-130	"		6 0 5 0 8	6 0 5 0 7
130/CT	"		"	6 0 5 4 3
DS-131	"		6 0 5 3 0	6 0 5 0 7
131/CT	"		"	6 0 5 4 3
DP-2	7 5 0 4 8		7 5 0 6 7	7 5 0 5 3
DP-3	"		7 6 3 1 0	7 6 3 0 9
DP-1111	7 7 2 1 2		7 7 2 5 1	7 7 2 1 5
DP-1112	"		7 7 5 7 0	7 7 5 6 0

					
Differential Feed Dog	Main Feed Dog	Looper (Hook)	Front Cover	Cloth Plate	Throat Plate Supporter
9 4 2 6 2	9 4 2 6 3	9 4 4 8 0	9 4 2 0 0	9 3 0 0 5	9 3 0 3 1
"	"	"	"	9 4 2 5 0	9 4 2 5 1
9 4 2 6 0	9 4 2 6 1	"	"	9 4 2 7 2	9 3 0 3 1
9 4 2 6 2	9 4 2 6 3	"	"	"	"
9 3 3 9 4	9 3 3 9 5	"	9 3 0 0 6	9 3 0 0 5	"
"	"	"	"	9 4 2 5 0	9 4 2 5 1
9 4 5 9 2	9 3 3 9 7	"	9 3 0 4 8	9 3 0 0 5	9 3 0 3 1
"	"	"	"	9 4 2 5 0	9 4 2 5 1
9 3 3 9 6	9 4 5 9 3	"	9 4 5 2 4	9 4 5 2 3	9 3 0 3 1
"	"	"	"	9 4 5 8 3	9 4 2 5 1
"	"	"	"	9 4 5 2 3	9 3 0 3 1
"	"	"	"	9 4 5 8 3	9 4 2 5 1
9 5 0 3 2	9 4 2 3 1	"	9 5 0 0 1	9 3 0 0 5	9 3 0 3 1
6 0 0 9 1	6 0 0 9 2	9 4 5 1 0			
"	"	"			
6 0 2 5 8	6 0 2 5 9	"			
6 0 2 8 9	6 0 2 9 0	6 0 2 8 7	△(6 0 2 8 8)		
6 0 3 6 5	6 0 3 6 6	6 0 3 1 0	△(6 0 3 6 4)		
6 0 3 4 3	6 0 3 4 4	9 4 5 1 0			
6 0 5 1 6	6 0 5 1 7	"			
"	"	"			
"	"	"			
"	"	"			
(7 5 1 4 3)	Plain Feed Dog	75126 (Hook)			
(7 6 3 0 8)	"	" (")			
(7 7 3 6 7)	"	77305 (")			
(7 7 5 6 1)	"	" (")			

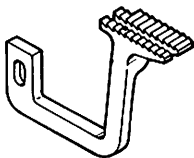
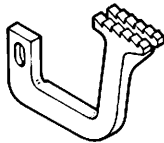

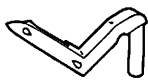
Note: ().... Plain Feed Dog △().... Looper(Rear)

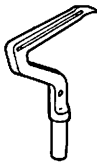
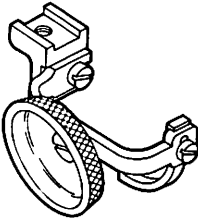
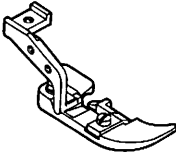
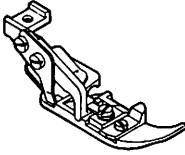

Main Parts Models	 Needle Bar	 Presser Foot, Complete Set	 Throat Plate	 Differential Feed Dog
DC - 1 H	3 7 1 2 2	3 7 5 0 0	3 8 5 0 6	(3 7 4 5 5)
3 H	"	3 7 7 0 6	3 7 7 0 2	(3 7 7 0 5)
4	"	3 7 2 7 8	3 7 2 6 4	(3 7 2 7 3)
DCY - 1 0 0	"	3 7 5 0 0	3 8 5 0 6	(3 7 4 5 5)
1 0 3	"	3 7 7 0 6	3 7 7 0 2	(3 7 7 0 5)
1 0 4	3 7 0 6 2	3 7 4 9 6	3 7 4 8 3	(3 7 2 7 3)
1 0 8	"	3 7 8 4 8	3 7 8 0 0	(3 7 4 3 9)
1 0 9	"	"	3 7 4 6 3	(")
2 0 0	3 7 1 2 2	3 7 8 6 8	3 8 1 5 0	3 7 8 7 1
2 0 3	"	3 7 7 0 6	3 7 8 9 2	3 7 8 9 3
2 5 1 A	3 7 3 7 2	3 8 1 2 4	3 8 3 5 2	(3 8 3 2 2)
A - 1	"	3 8 1 0 6	"	(")
Y	"	3 8 1 1 7	3 8 2 4 1	(")
Y - 1	"	3 8 0 1 7	"	(")

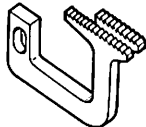

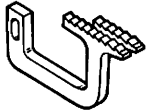

Note: ().....Plain Feed Dog


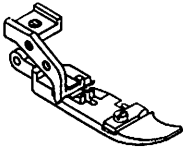
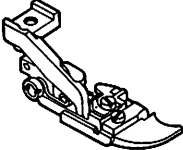
 Main Feed Dog	 Auxiliary Feed Dog	 Upper Looper	 Lower Looper	 Needle Guard	 Front Looper
	3 7 4 5 6	3 7 3 0 1	3 7 3 0 2	3 7 5 6 4	
	"	"	"	"	
	"	"	3 7 2 7 2	3 7 2 7 7	
	3 7 4 5 6	3 7 3 0 1	3 7 3 0 2	3 7 5 6 4	
	"	"	"	"	
		3 7 2 7 1	3 7 2 7 2	3 7 4 5 8	
		3 7 8 3 2	3 7 0 7 6	3 7 8 4 5	
		"	"	3 7 4 5 8	
3 7 8 7 2		3 7 3 0 1	3 7 3 0 2	3 7 5 6 4	
"		"	"	"	
		3 7 3 0 1	3 7 3 0 2	3 8 0 6 7	3 8 0 5 9
		"	"	"	"
		"	"	"	"
		"	"	"	"

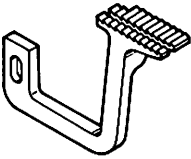
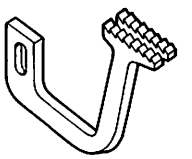

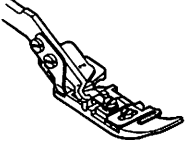
EXTRA (to be ordered separately)

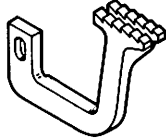


Extra Parts Models	 Differential Feed Dog (Long)	 Differential Feed Dog (Coarse)	 Main Feed Dog (Coarse)	 Upper Looper (Large Eyed)
DCZ-200-D1	3 3 8 1 2			3 4 6 1 4
D2	"			"
D3	"			"
D1/K	"			
D2/K	"			
D3/K	"			
DCZ-200-P1				3 4 6 1 4
P2				"
P3				"
DCZ-201-D1	3 3 8 1 2			"
D2	"			"
D3	"			"
D1/K	"			
D2/K	"			
D3/K	"			
DCZ-203-D1	3 3 8 1 6	3 3 8 1 7	3 3 8 1 8	3 4 6 1 4
D2	"	"	"	"
D3	"	"	"	"
D4				"
D1/K	3 3 8 1 6	3 3 8 1 7	3 3 8 1 8	
D2/K	"	"	"	
D3/K	"	"	"	
DCZ-215-D2 (MT)	"	"	"	
D3 (MT)	"	"	"	
DCZ-216				
DCZ-220-D1 (K)	3 3 8 1 6	3 3 8 1 7	3 3 8 1 8	
DCZ-221-D1	"	"	"	
DCZ-245-D2				
DCZ-246-D1				
DCZ-270-D1	3 3 8 1 6	3 3 8 1 7	3 3 8 1 8	

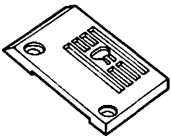

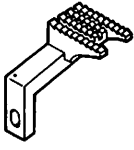

 Lower Looper (Large Eyed)	 Presser Foot, Complete Set (Rolling Type)	 Presser Foot, Complete Set (Rear Hinged)	 Presser Foot, Complete Set (for Wooly Nylon)	 Presser Foot Sfitch Tongue (for Wooly Nylon)	
3 4 6 1 6				3 4 9 1 9	
"					
"					
3 4 6 1 6					
"					
"					
"					
"					
"	3 3 7 3 6				
3 4 6 1 6					
"		3 3 7 7 0			
"					
"					
				3 4 9 1 9	
				"	
				"	
				"	
				"	
			3 4 9 2 4		
				3 4 9 2 0	
				"	
				3 4 9 1 9	
				3 4 9 2 0	
				"	

Extra Parts Models				
	Differential Feed Dog (for 5~22/inch)	Main Feed Dog (for 5~22/inch)	Differential Feed Dog (Coarse)	Main Feed Dog (Coarse)
DCZ-361A-D1	3 3 8 2 6	3 3 8 2 7	3 3 8 3 2	3 3 8 3 3
D2	"	"	"	"
D1/K	"	"	"	"
D2/K(MT)	"	"	"	"
D4				
ND2	3 3 8 2 6	3 3 8 2 7	3 3 8 3 2	3 3 8 3 3
ND2/MT	"	"	"	"
DCZ-361C-D3	3 3 8 3 0	3 3 8 3 1	3 3 8 3 4	3 3 8 3 5
D3/K(MT)	"	"	"	"
ND3	"	"	"	"
ND3/MT	"	"	"	"
DCZ-361Y-D1	3 3 8 2 6	3 3 8 2 7	3 3 8 3 2	3 3 8 3 3
D2	"	"	"	"
D1/K	"	"	"	"
D2/K(MT)	"	"	"	"
ND2	"	"	"	"
ND2/MT	"	"	"	"
DCZ-362A-D1	"	"	"	"
D2	"	"	"	"
D1/K	"	"	"	"
D2/K(MT)	"	"	"	"
DCZ-362C-D3	3 3 8 3 0	3 3 8 3 1	3 3 8 3 4	3 3 8 3 5
D3/K(MT)	"	"	"	"
DCZ-362Y-D1	3 3 8 2 6	3 3 8 2 7	3 3 8 3 2	3 3 8 3 3
D2	"	"	"	"
D1/K	"	"	"	"
D2/K	"	"	"	"
DCZ-368A-D2	"	"		

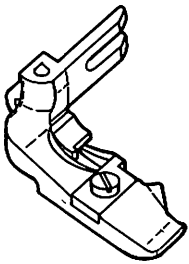
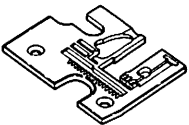
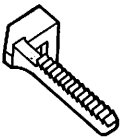
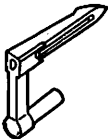
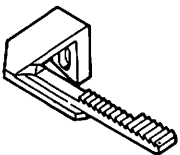
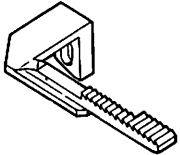
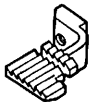

 Auxiliary Feed Dog (for 5~22/inch)	 Presser Foot, Complete Set (Rear Hinged)	 Presser Foot, Complete Set (for Fastener)			
3 3 5 5 9	3 3 7 8 0				
"	"				
"	"				
"	"				
		3 3 5 5 0			
3 3 5 5 9	3 3 7 8 0				
"	"				
3 3 5 4 9					
"					
"					
"					
3 3 5 5 9					
"					
"					
"					
"					
"	3 3 7 8 0				
"	"				
"	"				
"	"				
3 3 5 4 9					
"					
3 3 5 5 9					
"					
"					
"					
"					

<div style="text-align: center;">Extra Parts</div> <div style="text-align: right;">Models</div>	 Differential Feed Dog (Long)	 Differential Feed Dog (Coarse)	 Main Feed Dog (Coarse)	 Presser Foot (for Tape insertion)
DCZ-400-D1(K)	33812			
D2(K)	"			
D3(K)	"			
D1(K)	"			
D2(K)	"			
D3(K)	"			
DCZ-403-D1	33816			34085
D2	"			34086
D3	"			
D1/K	"			
D2/K	"			
D3/K	"			
DCZ-420-D1(K)	"	33817	33818	
DCZ-421-D1	"	"	"	

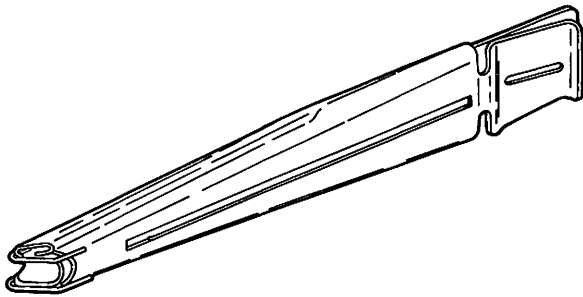
<div style="text-align: center;">Extra Parts</div> <div style="text-align: right;">Models</div>	 Differential Feed Dog (Coarse)	 Main Feed Dog (Coarse)	 Presser Foot Stitch Tongue (for Wooly Nylon)	
DCZ-500-D1 (K)			3 4 9 1 9	
-D2 (K)			"	
-D3 (K)			"	
-ND1 (K)			"	
-ND2 (K)			"	
-ND3 (K)			"	
DCZ-501-D1 (K)			"	
-D2 (K)			"	
-D3 (K)			"	
-ND1 (K)			"	
-ND2 (K)			"	
-ND3 (K)			"	
DCZ-503-D1 (K)	3 3 8 4 2	3 3 8 1 8	"	
-D2 (K,MT)	"	"	"	
-D3 (K,MT)	"	"	"	
-ND1 (K)	"	"	"	
-ND2 (K,MT)	"	"	"	
-ND3 (K,MT)	"	"	"	
DCZ-515-D2 (MT)	"	"	"	
-D3 (MT)	"	"	"	
-ND2 (MT)	"	"	"	
-ND3 (MT)	"	"	"	
DCZ-520-D1 (K)	"	"	3 4 9 2 0	
-ND1 (K)	"	"	"	
DCZ-520W-D1 (K)	"	"		
ND1 (K)	"	"		
DCZ-521-D1	"	"	3 4 9 2 0	
DCZ-525-D1 (MT)	"	"	"	
-ND1 (MT)	"	"	"	

Extra Parts Models				
DCZ-545-ND2				3 4 9 1 9
546-ND1				3 4 9 2 0
547-ND1				"
553-D3				3 4 9 1 9
-D3-1				"
554-D4				3 4 9 2 0
-D4-1				"
DV-1253MA	9 4 2 1 0	9 4 2 3 0	9 4 2 3 1	
MB	9 4 2 1 1	"	"	
MC	9 4 2 1 2	"	"	
ME	9 4 2 1 4	9 4 2 3 2	9 4 2 3 3	
DV-1254MA	9 4 2 1 0	9 4 2 3 0	9 4 2 3 1	
MB	9 4 2 1 1	"	"	
MC	9 4 2 1 2	"	"	
ME	9 4 2 1 4	9 4 2 3 2	9 4 2 3 3	
DW-1353MD	9 4 9 0 1	9 4 2 3 0	9 4 2 3 1	
ME	9 4 9 0 2	9 4 2 3 2	9 4 2 3 3	
DW-1354MD	9 4 9 0 1	9 4 2 3 0	9 4 2 3 1	
ME	9 4 9 0 2	9 4 2 3 2	9 4 2 3 3	
DS-100	* 6 0 0 6 5	6 0 2 5 8	6 0 2 5 9	△ 6 0 2 6 5
102	"			
103E	"			
105	"			
DP-1111				△ 7 7 2 7 1

Note: *.....Presser Bar, Complete Set △.....Presser Foot, Complete Set

Extra Parts Models	 Presser Foot, Complete Set	 Throat Plate	 Plain Feed Dog	 Lower Looper
DC - 1 H	3 7 5 3 3	3 8 5 0 7 (2.3)		
"		3 8 5 0 8 (3.3)		
"		3 8 5 0 9 (4.0)		
DCY - 1 0 0	3 7 5 3 3	3 8 5 0 7 (2.3)	* 3 7 2 4 9	
"		3 8 5 0 8 (3.3)		
"		3 8 5 0 9 (4.0)		
DCY - 1 0 8				3 7 0 7 6
1 0 9		3 7 4 5 9		3 7 0 9 9
2 0 0		3 8 1 5 1 (2.3)		
DCY - 2 5 1 A	3 8 3 5 6		△ 3 8 3 2 5	
A - 1			"	
2 5 1 Y	3 8 3 5 5		"	
Y - 1			"	
Note: ()...Stitch Tongue Width in mm. *...Long, △...Coarse				
Extra Parts Models	 Differential Feed Dog	 Differential Feed Dog (Coarse)	 Main Feed Dog	 Main Feed Dog (Coarse)
DCY - 2 5 1 A	3 8 3 2 0	3 8 3 2 3	3 8 3 2 1	3 8 3 2 4
A - 1	"	"	"	"
2 5 1 Y	"	"	"	"
Y - 1	"	"	"	"

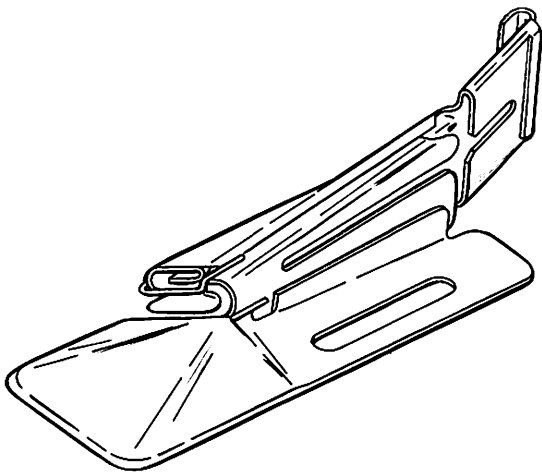
2 - 3 List of Folders and Guides



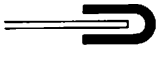
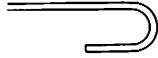




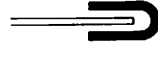
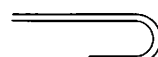
Note: Please Indicate The Following Folder's Parts No. and Size, When You Place Order.

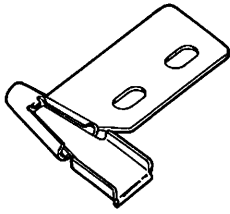
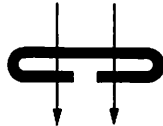
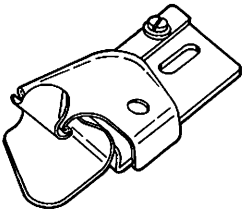
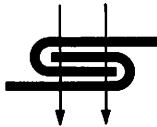
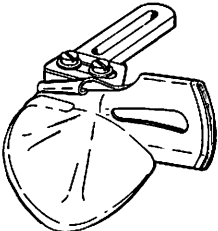
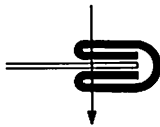
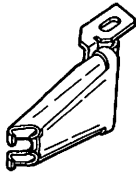
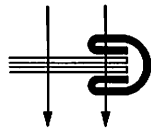
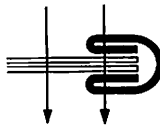
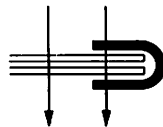
Available Folder Sizes
(in finished size)

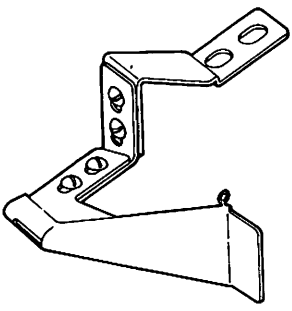
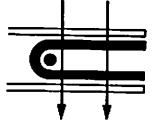
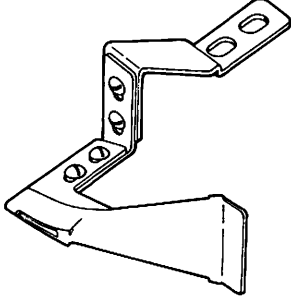


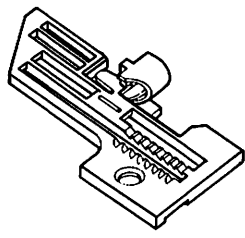
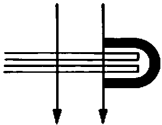
mm	inch	mm	inch
6.4	1/4	22.2	7/8
9.5	3/8	25.4	1
12.7	1/2	28.6	1 1/8
15.9	5/8	31.7	1 1/4
19.1	3/4		

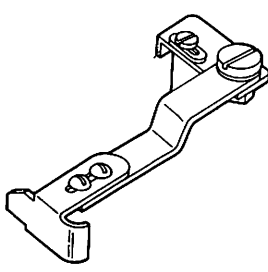
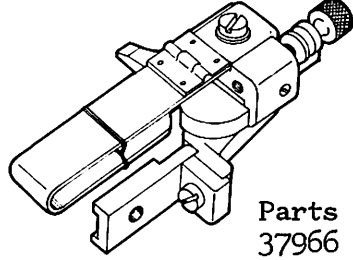
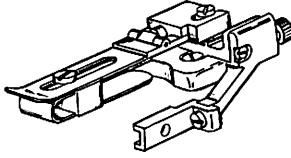


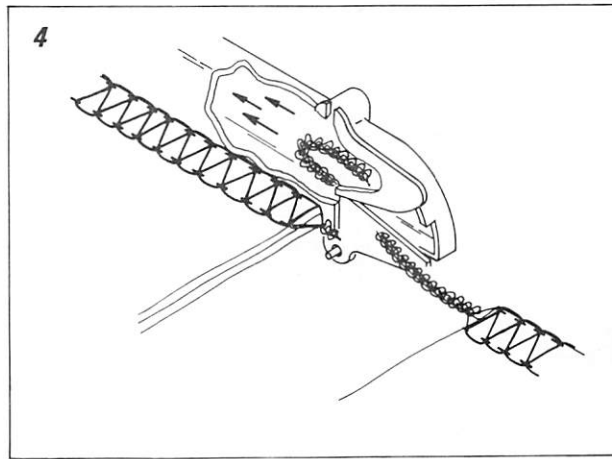
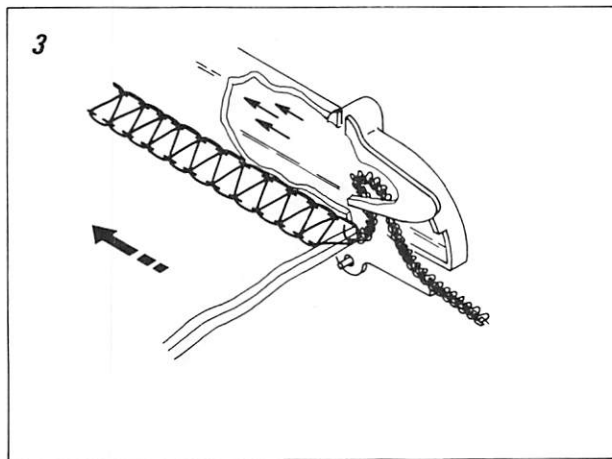
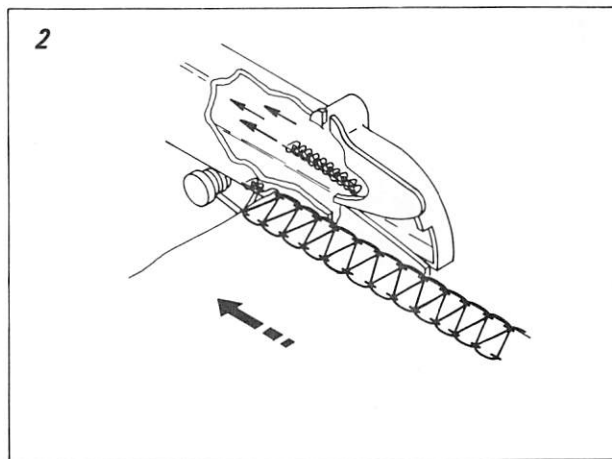
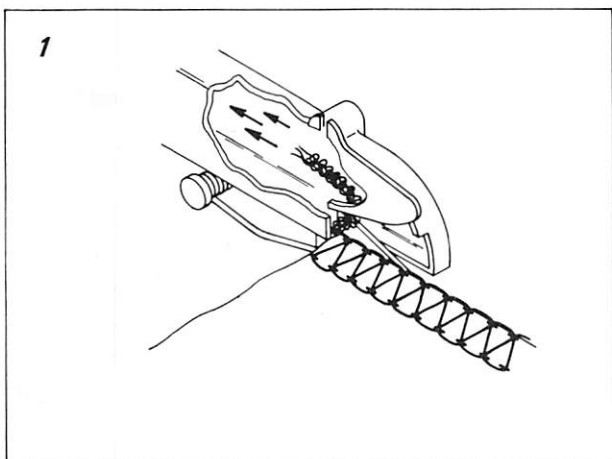
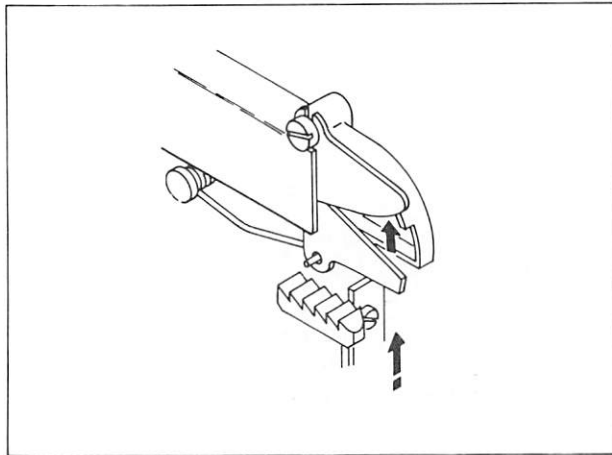
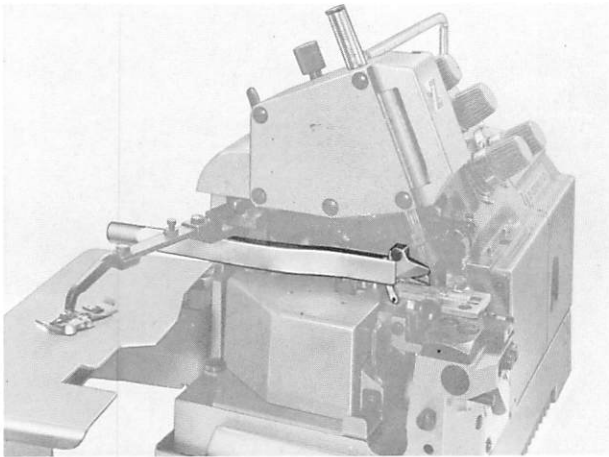
Folding Type	Parts No.	Models
P 	93241	DW-103 DW-104 DW-1253
Q 	93242	DW-1254 DW-103 DW-104
R 	93243	DW-1353 DW-1354
S 	93244	

Folding Type	Parts No.	Models
P 	93245	DW-100 DW-1250
Q 	93246	DW-100 DW-1350
R 	93247	
S 	93248	

	for Belt Loop		Folding Type	Parts No.	Models																													
				91251 91252 91253 91254 91255	DV-101MA DV-101MB DV-101MC DV-101MD DV-101ME																													
	for Lap Seam		Folding Type	Parts No.	Models																													
				60383	DS-103E																													
			Folding Type	Parts No.	Models																													
				60349	DS-105																													
<p>Note: Please Indicate The Following Tape Width or Finished Size. Tape Width: 30 mm Finished Size: 8 mm (Standard)</p>			<table border="1"> <tr> <td>Tape Width (mm)</td> <td>16</td> <td>18</td> <td>20</td> <td>22</td> <td>24</td> <td>26</td> <td>28</td> <td>30</td> <td>32</td> <td>36</td> <td>40</td> </tr> <tr> <td>Finished Size (approx. mm)</td> <td>4</td> <td>4.5</td> <td>5</td> <td>5.5</td> <td>6</td> <td>6.5</td> <td>7</td> <td>8</td> <td>9</td> <td>10</td> <td>12</td> </tr> </table>								Tape Width (mm)	16	18	20	22	24	26	28	30	32	36	40	Finished Size (approx. mm)	4	4.5	5	5.5	6	6.5	7	8	9	10	12
Tape Width (mm)	16	18	20	22	24	26	28	30	32	36	40																							
Finished Size (approx. mm)	4	4.5	5	5.5	6	6.5	7	8	9	10	12																							
	Tape Width	Folding Type	Parts No.	Models																														
	25 mm (1 inch)		35076 (Standard)	DCZ-920																														
	29 mm (1 1/8 inch)		35078 (Extra)																															
	13 mm (1/2 inch)		35073 (Extra)																															

	Tape Width	Folding Type	Parts No.	Models
	20 mm (13/16inch)		33409	DCZ-366A
	25 mm (1 inch)	 	33417	DCZ-367A
	10 mm (13/32inch)		33321	DCZ-368A

	Parts No.	Models	 Parts No. 37966	Models
	33751	DCZ-200 -361 -400 -500 (classes)		DCZ-200 DCZ-400 DCZ-500
	37948	DCZ-200 -361 -400 -500 (classes)		DCZ-581
37962	DCZ-200 -361 -400 -500	 Parts No. 31936		



Applicable Models:

- DCZ-200, -201, -203, -220, -220W
- 237, -290
- DCZ-400, -401, -403, -420, -437
- DCZ-500, -501, -503, -520
- 520W, -582

Automatic Thread Chain Cutting Device

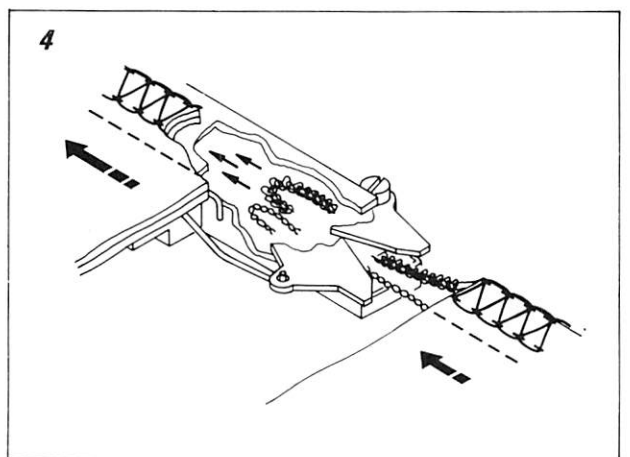
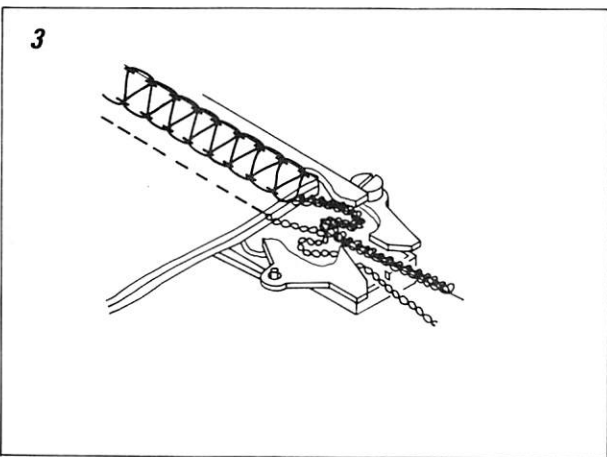
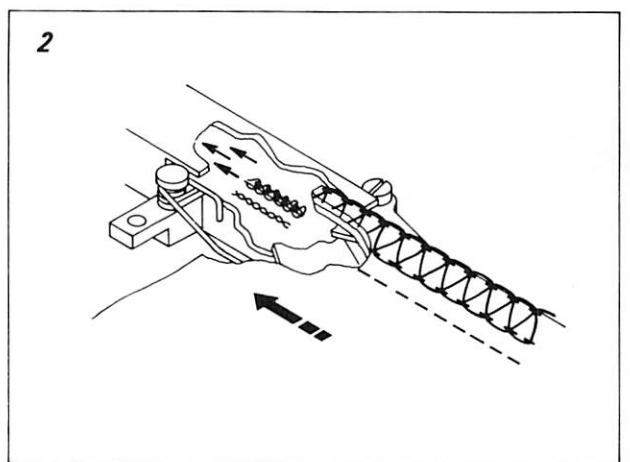
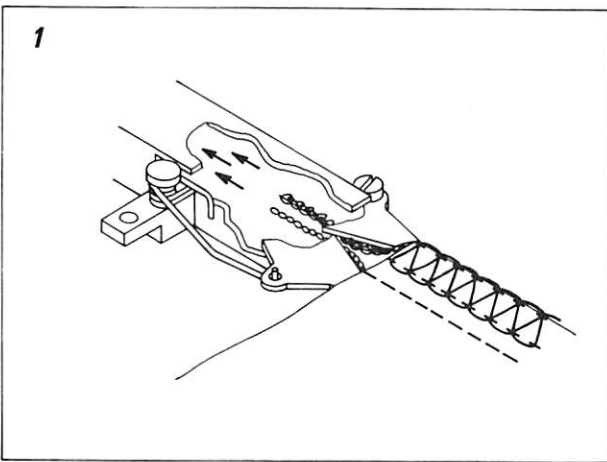
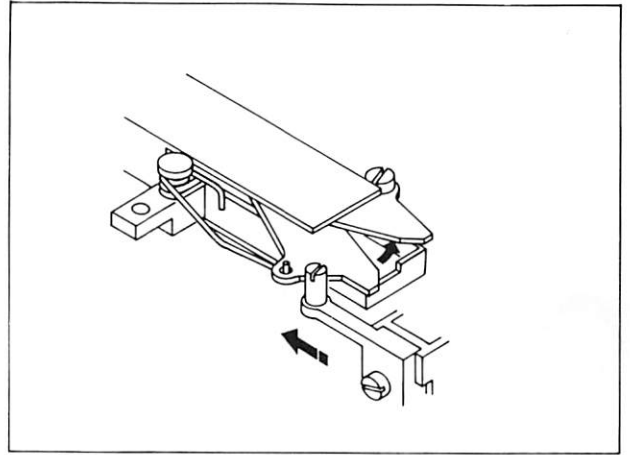
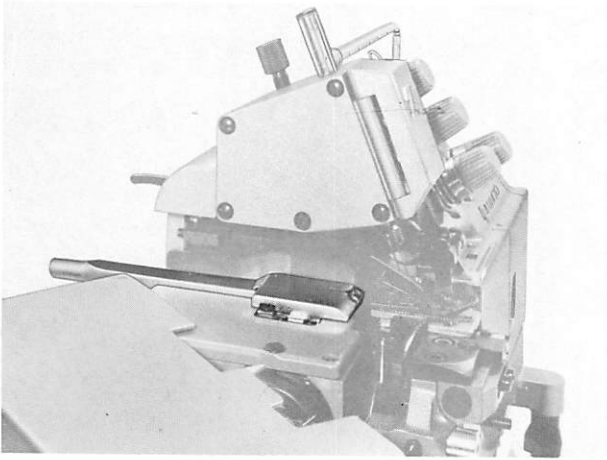
The thread chain-off of both the start and the finish is cut off automatically by the vertically moving knives built-in Suction Pipe.

Air Consumption: 65 litre/minute

Air Pressure: 28.4 lbs/sq.inch(2kgs/cm²)

Note: This device should be used with Air Guide, " C " Device together.

" K " Device (for Safety Stitch Overlock Machines)



Applicable Models

DCZ-341, -342

DCZ-361, -362

Note: This device should be used with Air Guide, "C" Device together.

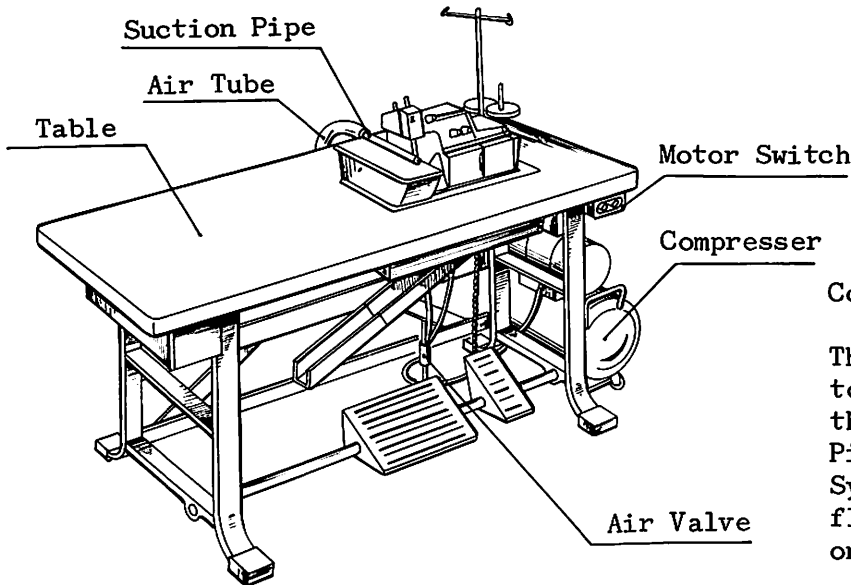
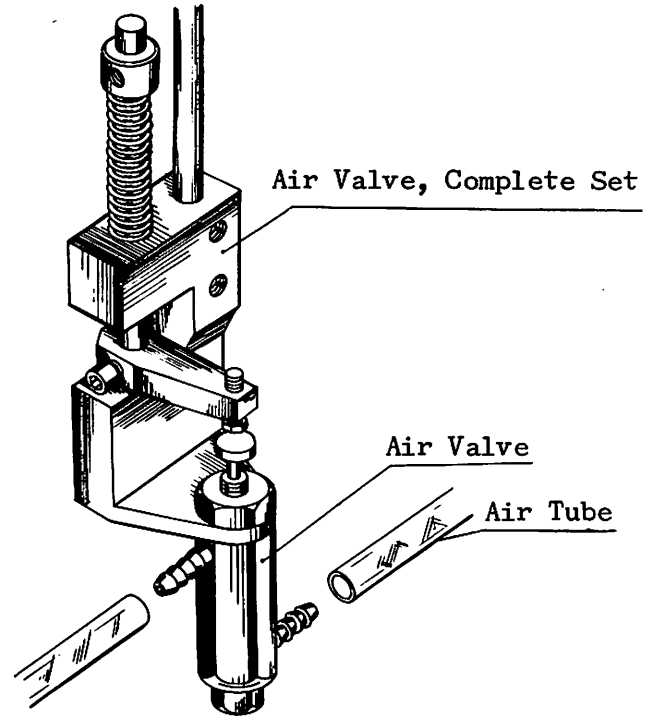
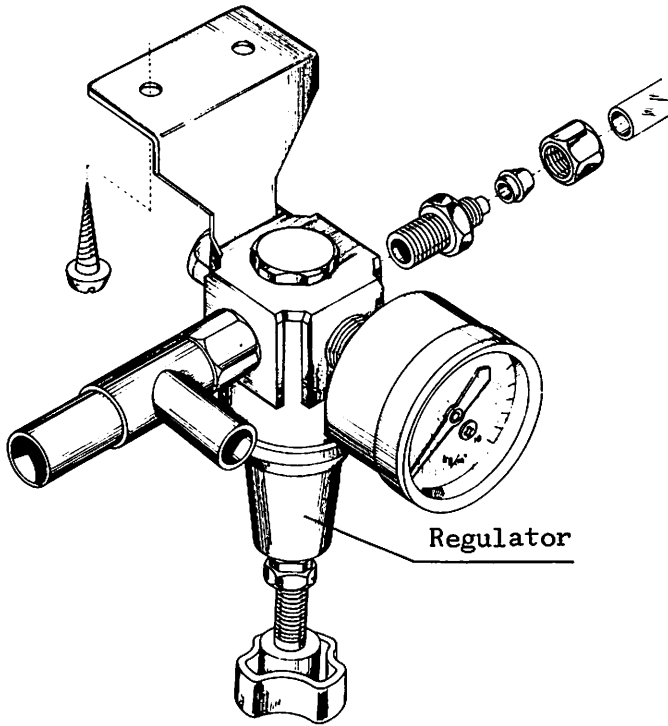
Automatic Thread Chain Cutting Device

The thread chain-off of both the start and the finish is cut off automatically by the horizontally moving knives built-in Suction Pipe.

Air Consumption: 87.5 litre/minute

Air Pressure: 42.7 lbs/sq.inch(3kgs/cm²)

" C " Device



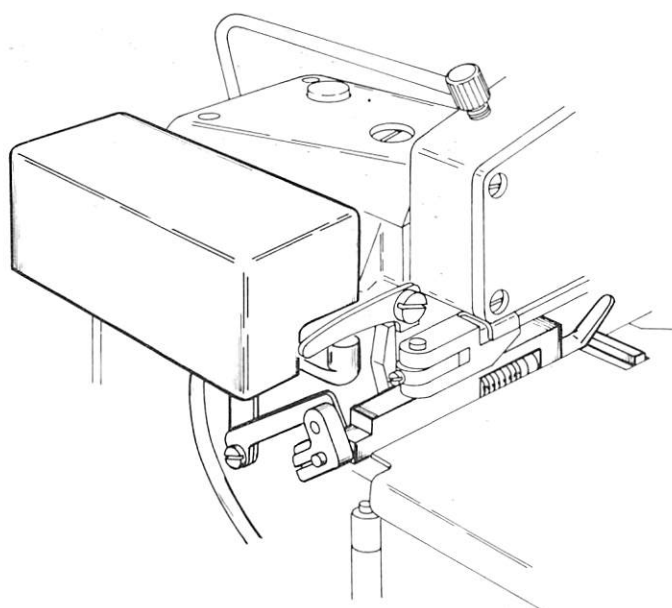
Compressed Air Guide System

The compressed air is changed to the suction air to suck thread chain-off into Suction Pipe, by means of Ventury System. The compressed air flows through the Air Valve only when operating Foot Pedal.

Air Compressor is not comprised in "C" Device.

Note: Air consumption of 87.5 litre/minute, and air pressure of 42.7 lbs/sq.inch (3kgs/cm) are required per machine.

" MT " Device



Cutting system of tapes or thread chains by means of solenoid.

This device shall be used to cut the reinforcing tapes, piping tapes or thick thread chains at the sewing operation on machines.

At the sewing finish only a soft touch on the knee-switch is necessary, therefore the sewing efficiency will be increased remarkably with quick and fine cutting of reinforcing tapes or the like.

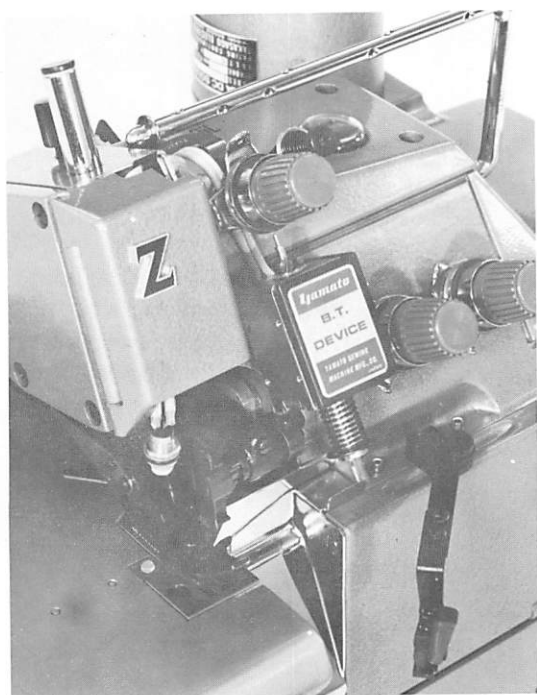
Electric Specification

Voltage	DC 24 v
Current	4.8 a A
Stroke	8 mm
Attraction	5 kg

Applicable Models

- DCZ-203, -215
- DCZ-341, -342, -361, -362
- 367, -368
- DCZ-503, -515, -525, -920

" BT " Device



"BT" (Back Tucking) Device is fitted additionally on the usual Overlock Machines equipped with straight single needle, and used for making a reinforced and durable stitch formation at the beginning of each seam: that the overlock stitch itself makes a cover-seam on the thread in its formation.

Back Tucking can be operated at every needle positions of its up and down movement as same as the usual overlock machines. Accordingly, the needle positioning motor is not always required.

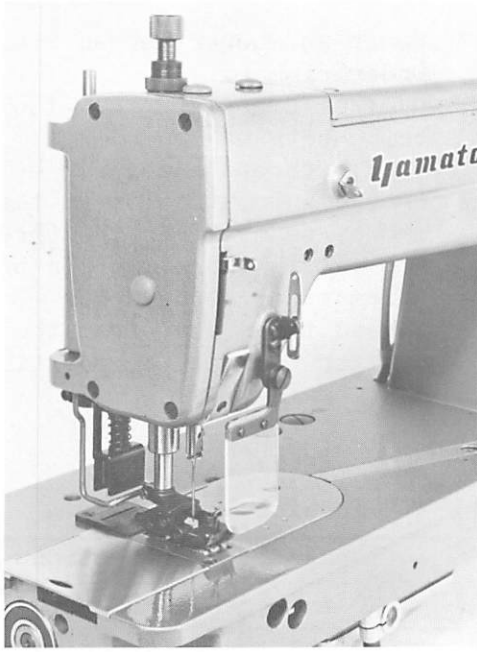
Applicable Models

- DCZ-203 DCZ-503

Electric Specification

Kinds of Solenoid	Voltage	Current	Stroke	Attraction
Foot Lifter Solrnoid	DC24v	2.1 A	20 mm	4.0kg
Tension Release Solenoid	DC24v	0.3 A	5 mm	0.1kg

" CT " Device



Chain Trimmer of Clamp Type

This "CT" Device is designed to trim thread chain at the place between two points pressed by both feet of Chain Presser without any touch to other parts.

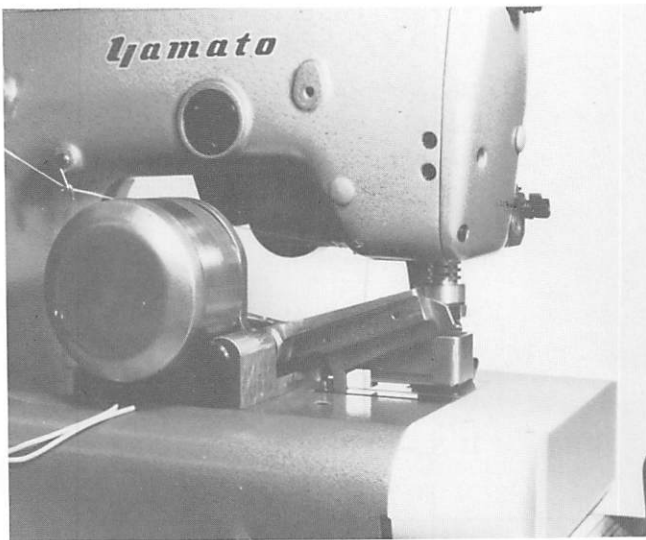
Applicable Models:

DS-130 DS-131

Electric Specification

Voltage: DC 24 v Stroke: 8 mm
Current: 4.8 A Attraction: 5 kg

" EC " Device



Collarettes Tape Cutting Device

for cutting attached binding, elastic and other trimmings at the end of each seam.

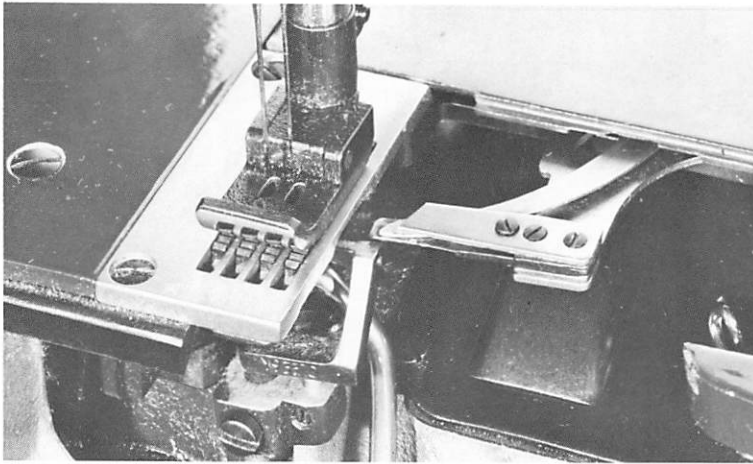
Applicable Models:

DV-103, -105, -109
-1253, -1255, -1259
DW-103, -105, -109
-1353, -1355, -1359

Electric Specification

Voltage: DC 37 v
Current: 10 A
Turning Angle: 45
Attraction: 39 kg

" UT " Device

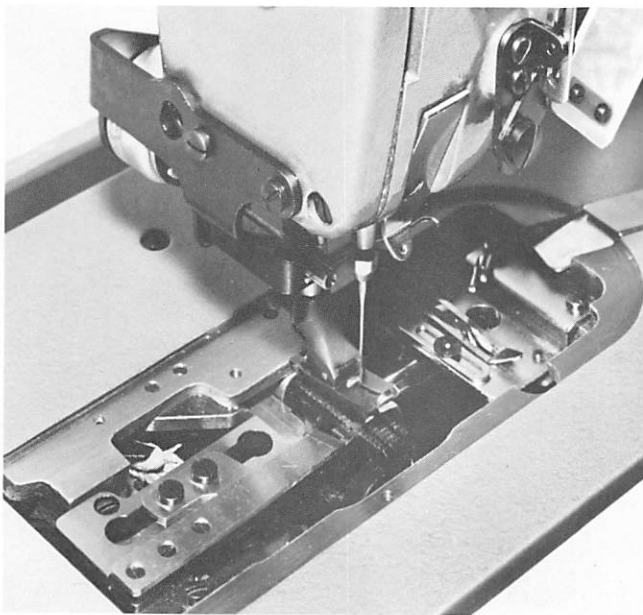


Upper and Lower Thread Undertrimmer.
 DV-1261/UT, -1262/UT, -1265/UT trims both of upper - needle thread and lower - looper thread automatically at the each end of seam. After the threads are cut, the thread wiper brings automatically the upper - needle thread tails away from the presser foot at the position for next sewing.

Electric Specifications

* Turning Angle

Kinds of Solenoid	Voltage	Current	Stroke	Attraction
Trimming Solenoid	DC 24v	2.7 A	20 mm	3.4kg at 10 mm
Tension Release Solenoid	DC 24v	1.1 A	4 mm	2.0kg
Wiper Solenoid	DC 24v	3.0 A	* 45	1.6kg



Automatic Upper and Lower Thread Undertrimmer.

Model DS-100/UT (Single Needle Double Locked Chainstitch Machine with "UT" Device) trims both of upper and lower thread automatically at the each end of seam.

Applicable Models :

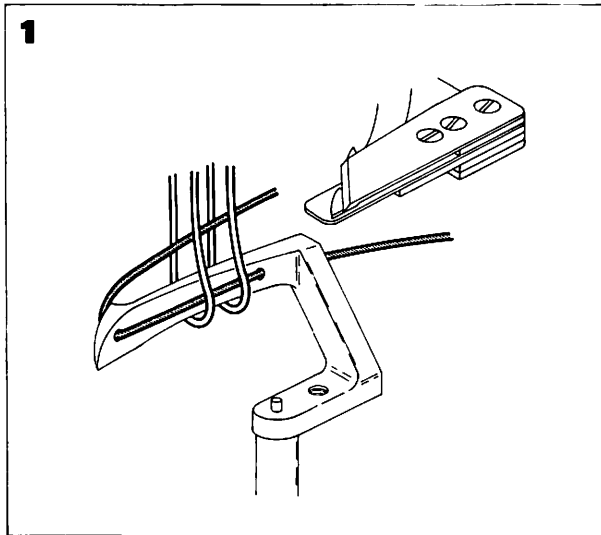
- DS - 100
- DS - 100 - 1
- DS - 211

Electric Specifications

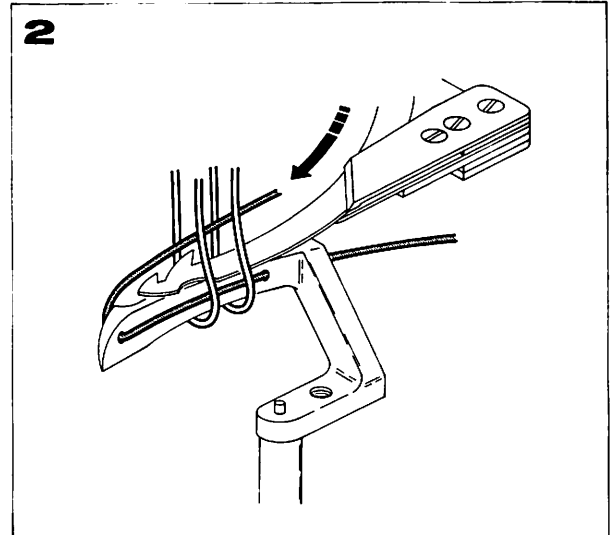
* Turning Angle

Kinds of Solenoid	Voltage	Current	Stroke	Attraction
Trimming Solenoid	DC 22v	2.7 A	9 - 10 mm	3.4kg
Tension Release Solenoid (needle thread)	DC 24v	1.1 A	10 mm	2kg at 4 mm
Tension Release Solenoid (looper thread)	DC 24v	3.5 A	* 45	0.8kg
Wiper Solenoid	DC 24v	3.0 A	* 45	1.6kg

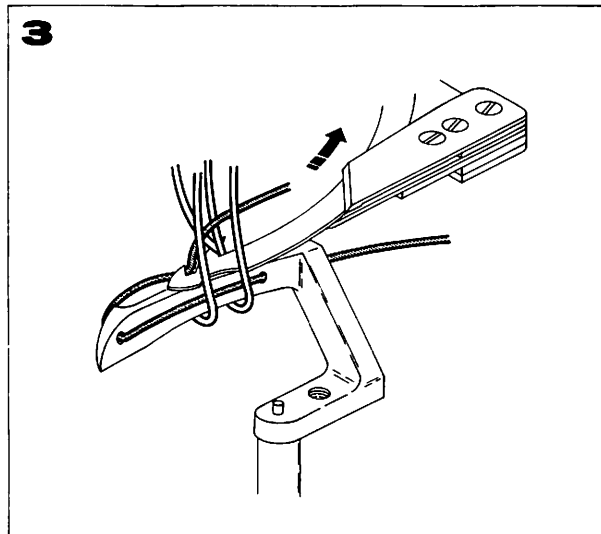
**Orderly Analytical Figures-
Thread Trimming by "UT" Device for Class DV-1261, DV-1262 and DV-1265**



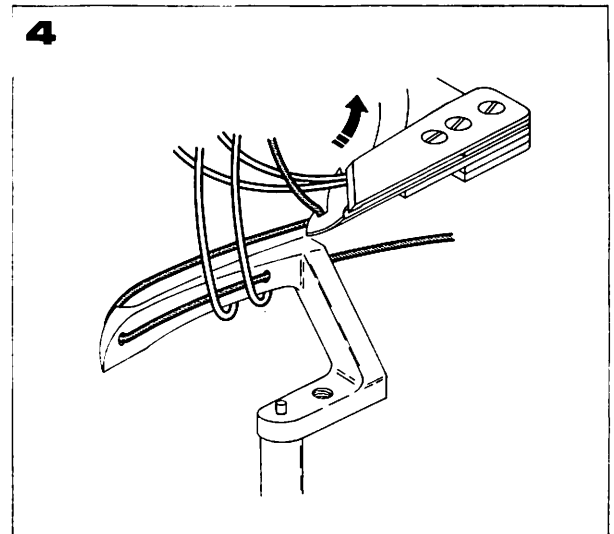
Needle stopped at the definite position upside by Needle Positioner Motor



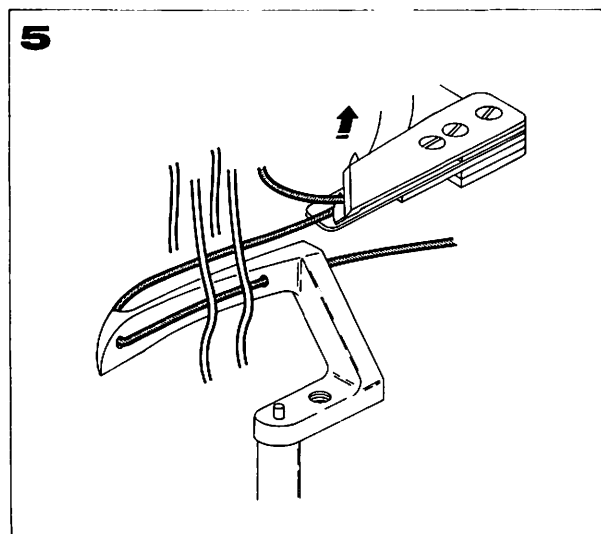
Lower Knife entering into needle thread loop



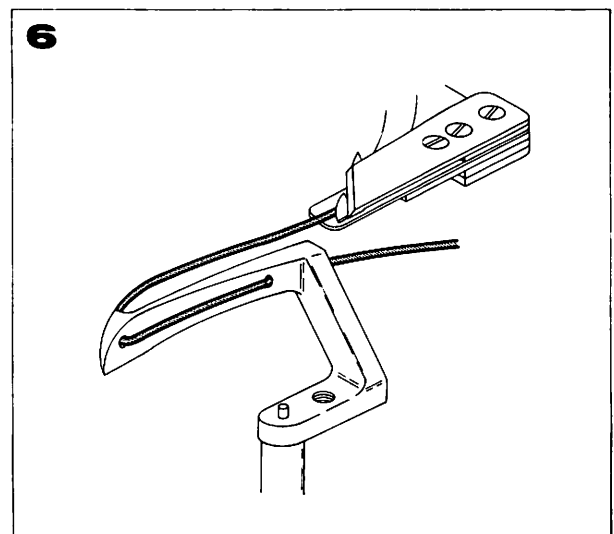
Lower Knife returning just after catching needle and looper threads



Needle thread being cut by the engagement of thread cutting edge of Lower Knife and Upper Knife

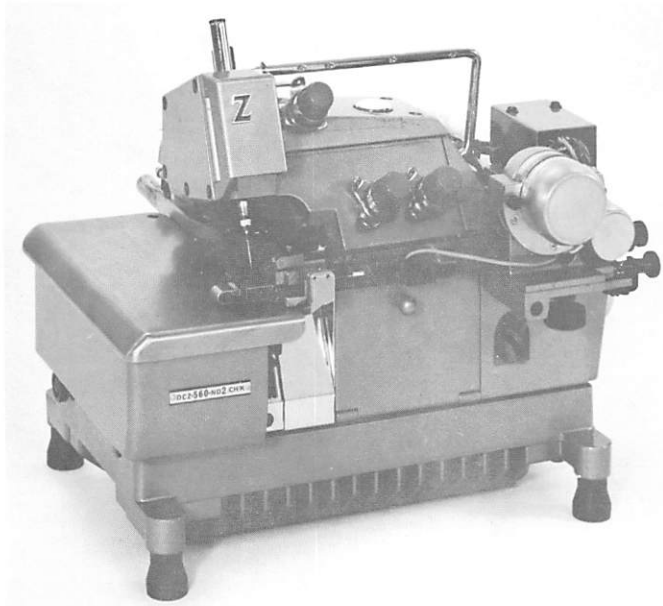


Needle thread been cut completely



Wiper raising the dangling needle thread, and Looper thread held by Lower Knife and Clamp Spring

" CH " Device

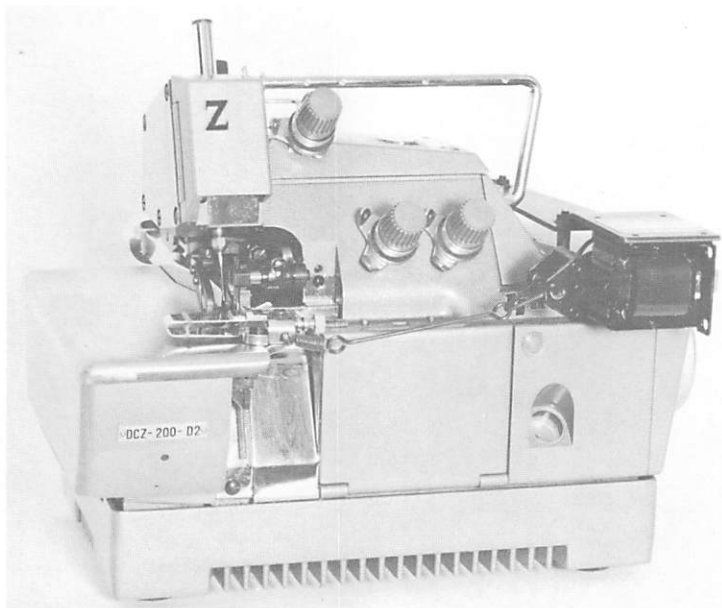


Suitable to avoid the mis-stitching by the shift motion of the Edge Guide top to the right direction during the period of stitch counts as desired upon sensing stepped part at the sewing joint of fabrics.

Applicable Models
DCZ - 560

Kinds of Solenoid	Voltage	Current	Turning Angle	Attraction
Rotary Solenoid(Small)	DC 24v	3.0 A	25	3.1kg
Rotary Solenoid(Fixed)	DC 24v	1.3 A	45	1.3kg
Rotary Solenoid(Big)	DC 24v	7.5 A	45	7.3kg

" SH " Device



Suitable to avoid the mis-stitching by the shifting action to the right hand upon meeting a big stepped part at the sewing joint of right and heavy fabrics for the blind hemming

Electric Specification

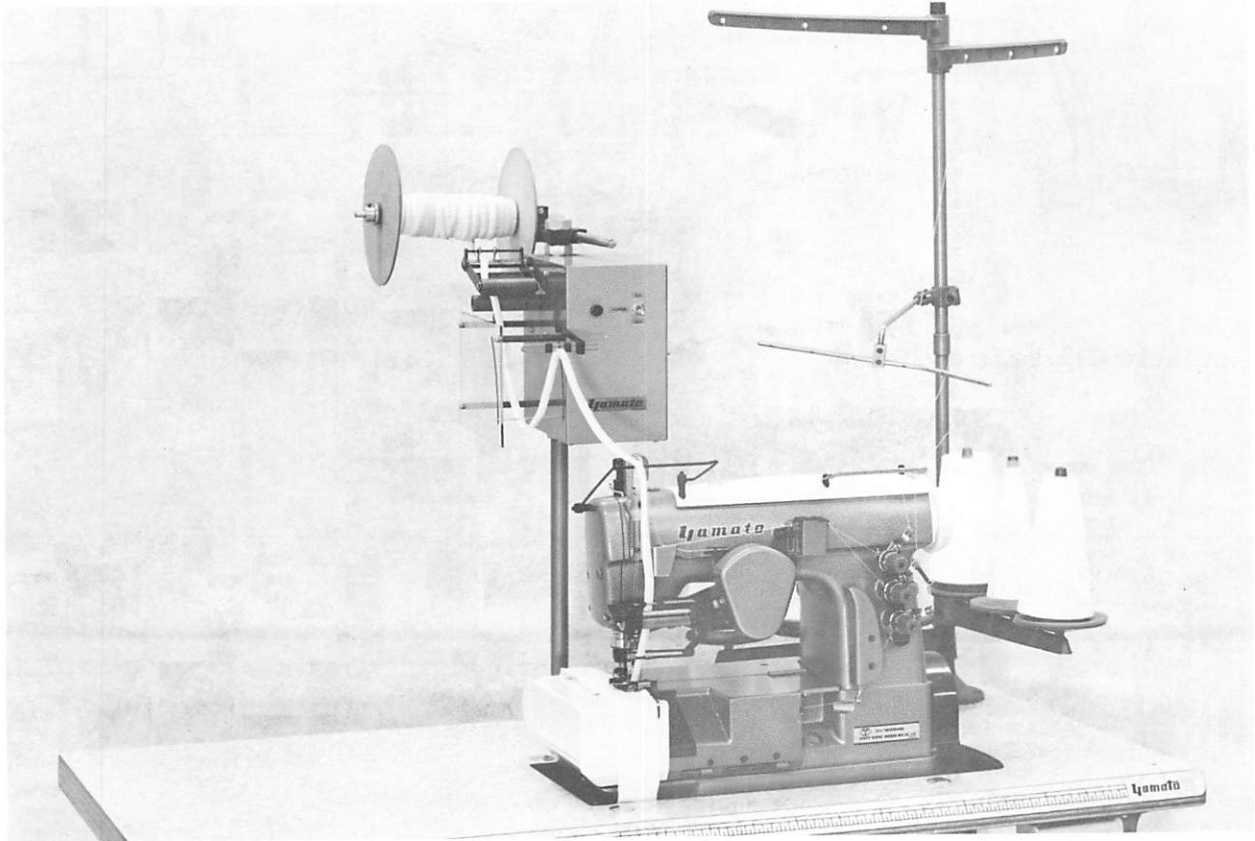
Voltage: AC 200v (100v)
Stroke: 15 mm
Current: 1.25 A (2.5A)
Attraction: 1.5kg

Applicable Models
DCZ - 200, -500

"A E F" Device

Automatic Elastic Feeder -

For Attaching Elastic Tape to Top,
Bottom or Hem of Men's, Women's and
Children's Underwear, etc. by using
Two or Three Needle Interlock Machine,
Zig-Zag Machine and other Similar
Sewing Machines.



In the sewing operation on 2 or 3 needle interlock, overlock and other similar sewing machines for elastic-tape attaching, the sewing length at the finish is liable to lack its uniformity. This newly developed "AEF" is the device enable to obtain the uniform performance smoothly and continuously with the minimum tension on the elastic tape before the feeding into the garment. When the elastic tape is sewed into the garment and pulled from the Tape Guide of "AEF", the micro switch fixed to the pitman arm shall be "ON" and Feeding Roller is to be rotated to feed tape, so that it can be sewed with the minimum tension (1.5 g. or less) on itself.

Specifications:

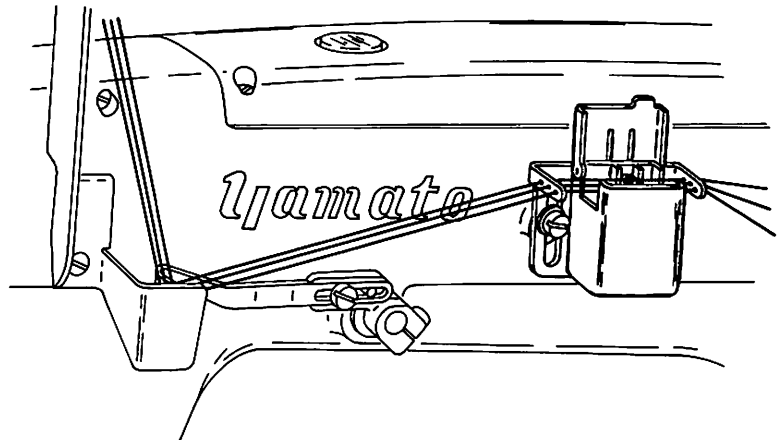
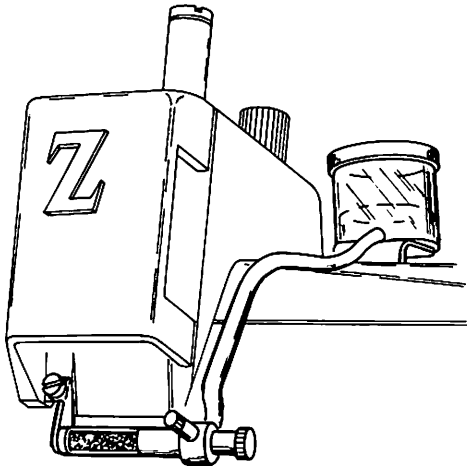
Voltage - AC 100 V/200 V/380 V
Current - 0.5 A (60 Hz)
 0.56 A (50 Hz)
R.P.M. - 1740
Width of Elastics - 60 mm. max.

Applicable Models:

DV - 105, - 109,
 - 1255, - 1259
DW - 105, - 109,
 - 1355, 1359

" SP " Device

Silicone Supplying Unit for Needle Thread



Applicable Classes:

DCZ - 200

DCZ - 400

DCZ - 500

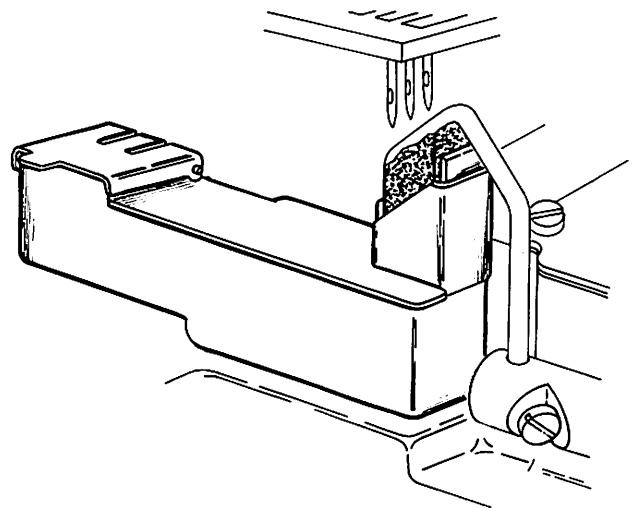
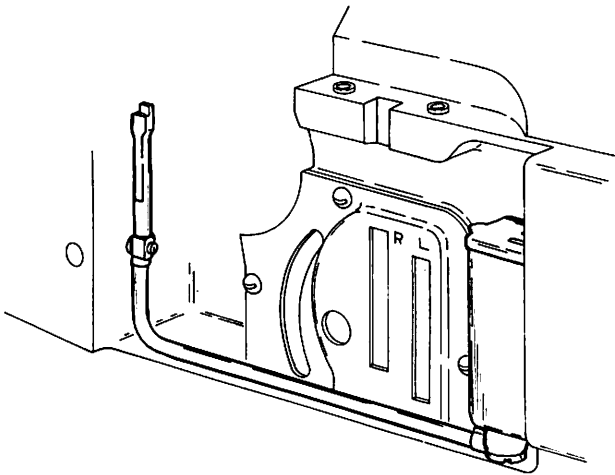
Applicable Classes:

DV - 1250

DW - 1350

" HR " Device

Silicone Supplying Unit for Needle Point



Applicable Classes:

DCZ - 200

DCZ - 500

Applicable Classes:

DV - 1250

DW - 1350

2-5 PRODUCT SPECIFICATION CODES

Model Indicate Plate

D C Z - ○ ○ ○ ○ - ○ ○ / ○ / ○

No.	Classification
2	Straight Needle
	Overlock Stitches
	Stitch length regulated by changing two eccentric cams
3	Straight Needle
	Safety Stitches
	Stitch length regulated by push-button
4	curve Needle
	Overlock Stitches
	Stitch length regulated by changing two eccentric cams
5	Straight Needle
	Overlock Stitches
	Stitch length regulated by push-button
9	Straight Needle
	Double Locked Chain Stitches
	Stitch length regulated by push-button

Use

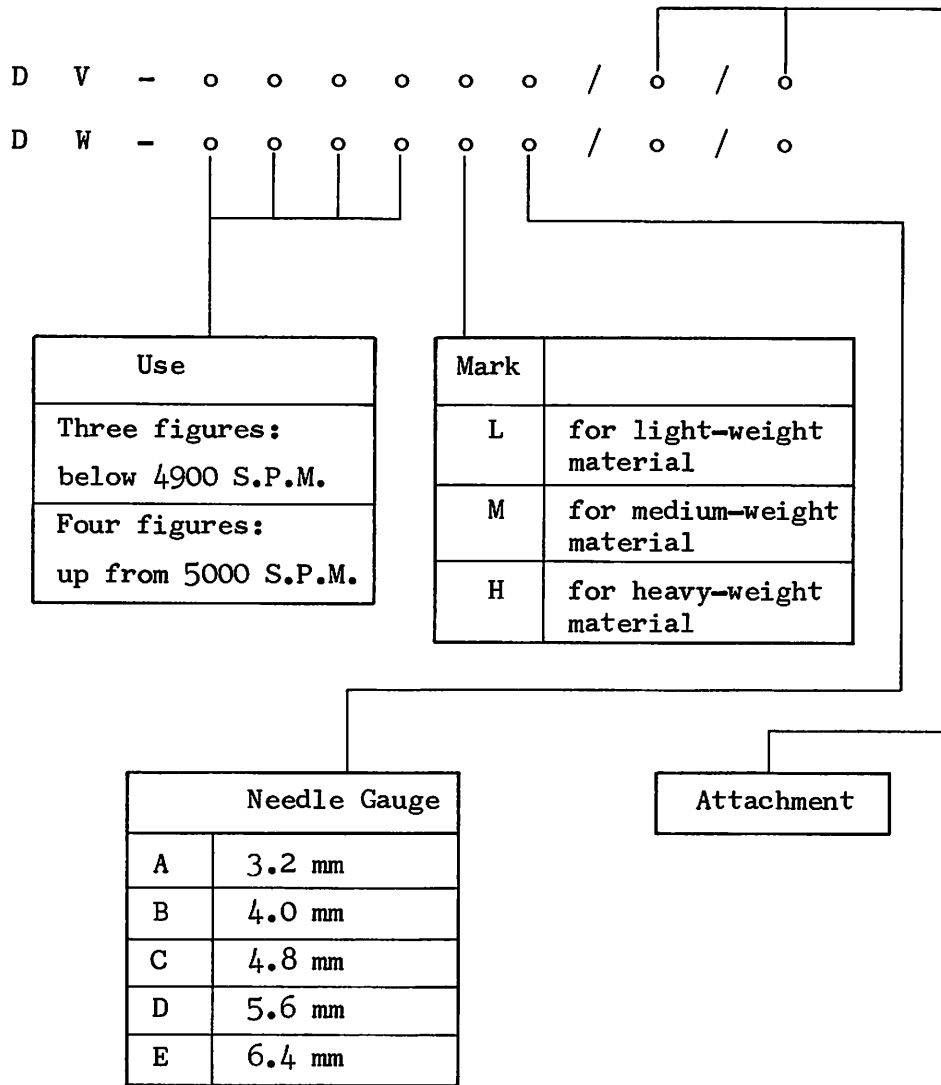
Needle Gauge	
except one needle	
W	1.8 mm
Y	2.4 mm
A	3.2 mm
C	5.0 mm

No.	Seam Width (mm)
1	2.5 - 4.0
2	3.0 - 4.5
3	4.0 - 5.5
4	5.0 - 6.0
5	6.0 - 8.0
not indicated for special cases.	

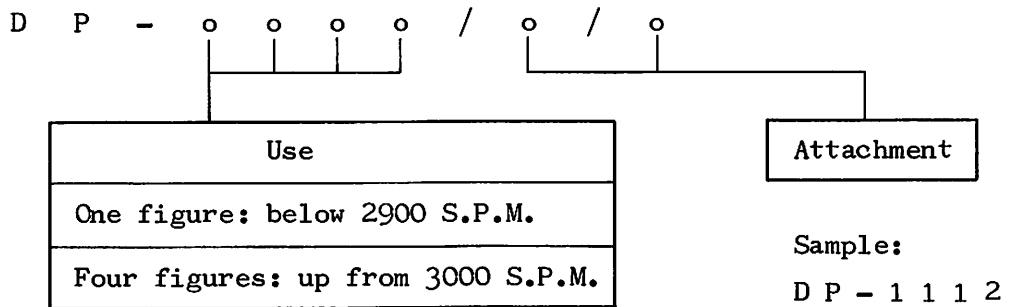
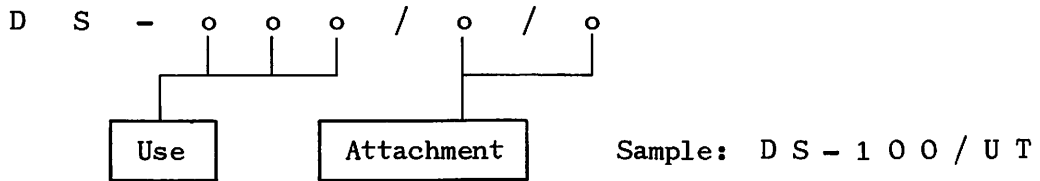
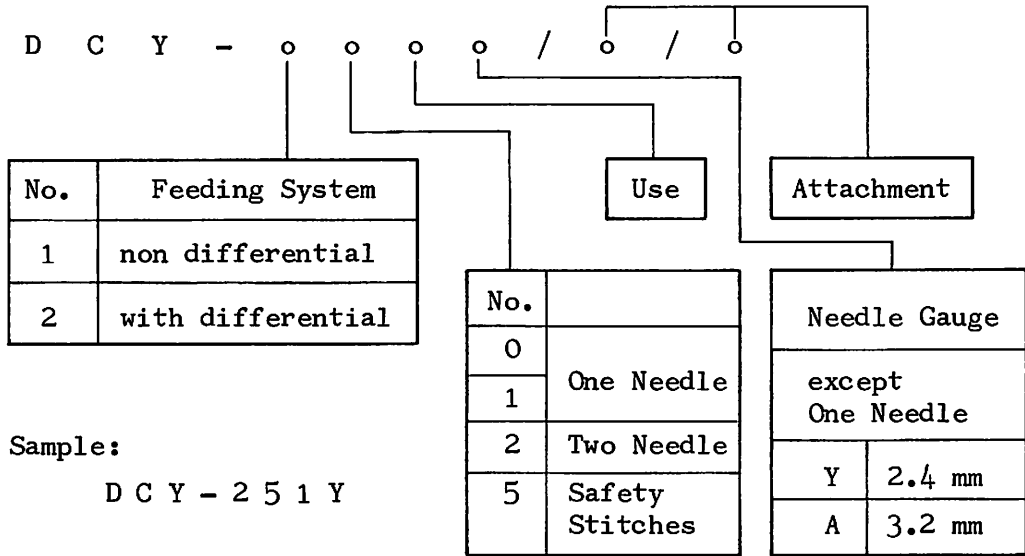
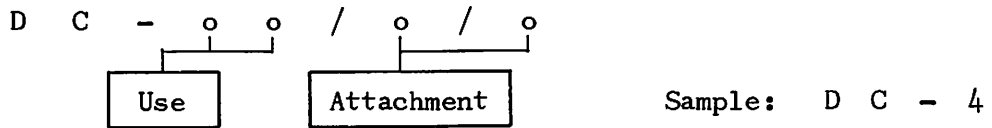
Attachment

Mark	Feeding System
P	Plain Feed (without differential)
D	Differential Feed (with reversed differential)
ND	Normal Differential Feed (without reversed differential)

Sample: D C Z - 3 6 1 A - D 2 / K

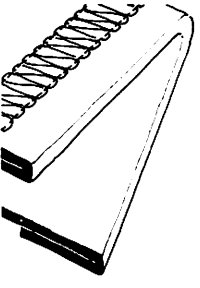
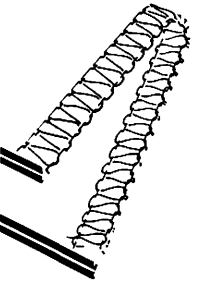
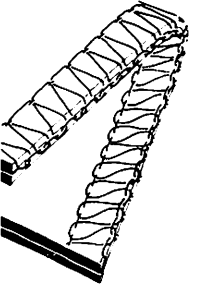
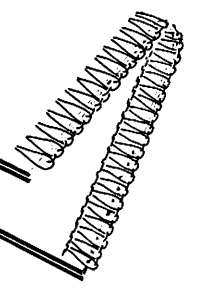
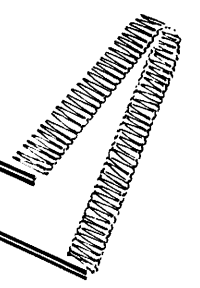
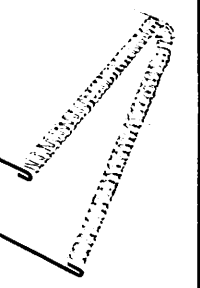


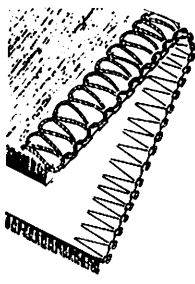
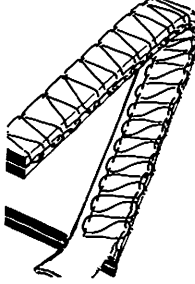
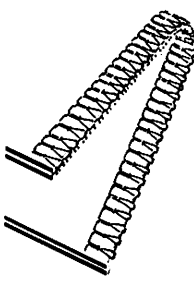
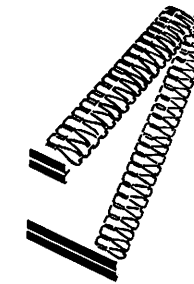
Sample: D V - 1 2 6 1 L C / U T

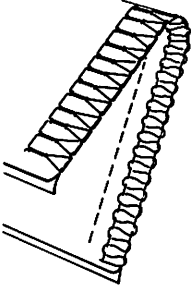
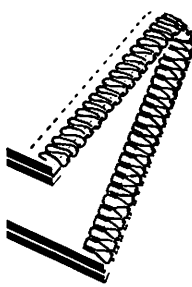
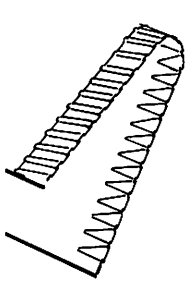
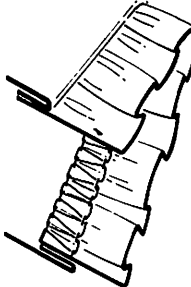
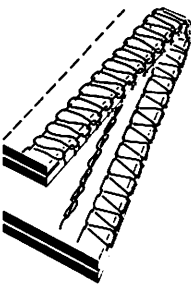
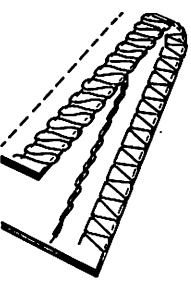


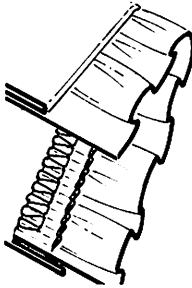
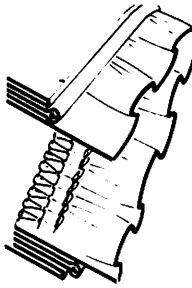
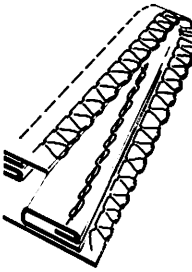
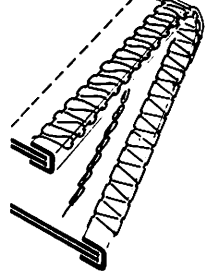
2-6 Machines Classified by Stitch Type

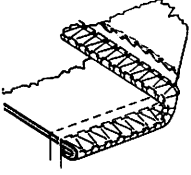
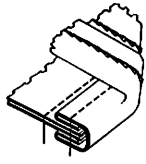
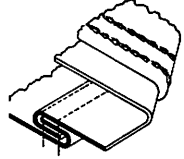
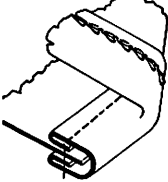
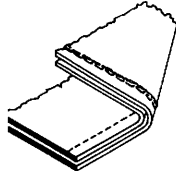
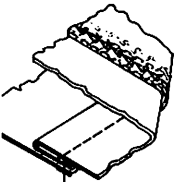
Class of Machines \ Comparison Items	Needle Bar Mechanism	Stitch Length Regulated by	Differential Ratio Regulated by	Sewing Speed (S.P.M.) (max.)
DC - 1 H	Straight	Adjusting Lever	—	3300
DCY - 1 0 0	"	"	—	4500
DCY - 2 0 0	"	"	Adjusting Lever	4500
DCZ - 2 0 0	"	Changing Cams	Changing Cams	6000
DCZ - 3 6 1	"	Pushing Button	Adjusting Lever	5500
DCZ - 4 0 0	Curved	Changing Cams	Changing Cams	7000
DCZ - 5 0 0	Straight	Pushing Button	Adjusting Lever	6000
DCZ - 9 2 0	"	"	"	5500
Z 2 0 0 0	"	"	"	8000
Z 3 0 0 0	"	"	"	7500
DV - 1 0 0	Straight	Adjusting Eccentric	Adjusting Lever	4000
DW - 1 0 0	"	"	"	4000
DV - 1 2 5 0	"	Changing Cams	Changing Cams	6000
DW - 1 3 5 0	"	"	"	6000
DS - 1 0 0	"	Adjusting Eccentric	Adjusting Lever	6500
DS - 2 1 1	"	Turning Dial	"	5500
DP - 2	"	"	—	2500
DP - 1 1 1 1	"	"	—	5000

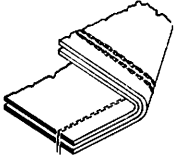
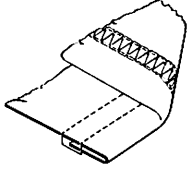
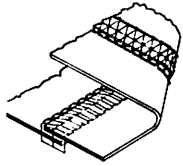
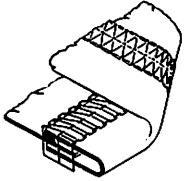
					
DC-1H	DC-3H		DC-4		
DCY-100	DCY-103		DCY-104		
DCY-200	DCY-203				
DCZ-200 -290	DCZ-201 -203	DCZ-202			DCZ-205 -206, -216
DCZ-400	DCZ-401 -403			DCZ-410	
DCZ-500 -581	DCZ-501 -503	DCZ-553			
Z 2000	Z 2003				

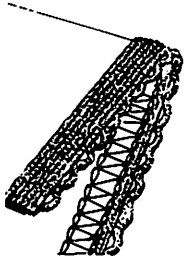
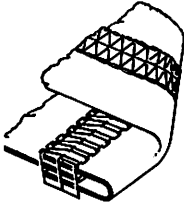
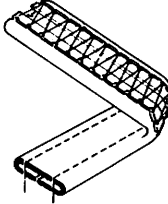
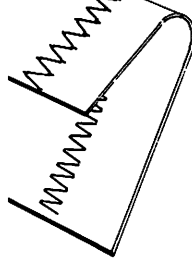
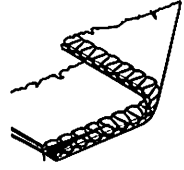
<div style="text-align: center;">Comparison Items</div> <div style="text-align: left; padding-left: 5px;">Class of Machines</div>				
DC - 1H				
DCY - 100	DCY-108 -109			
DCY - 200				
DCZ - 200		DCZ-215	DCZ-220,-270 -220W,-270W	DCZ-222
DCZ - 361				
DCZ - 400			DCZ-420	
DCZ - 500		DCZ-515 (DCZ-525)	DCZ-520 -520W	DCZ-554
DCZ - 920				
Z 2000				
Z 3000				
DV - 100				
DW - 100				
DV - 1250				
DW - 1350				
DS - 100				
DS - 211				
DP - 2				
DP - 1111				

					
					DCY-251
DCZ-221	DCZ-223	DCZ-237	DCZ-245		
				DCZ-341 -342	DCZ-361 -362
DCZ-421		DCZ-437			
DCZ-521			DCZ-545 (-546, -547)		
					Z 3000

<div style="text-align: center;">Comparison Items</div> <div style="text-align: left; padding-left: 10px;">Class of Machines</div>				
DC - 1H				
DCY - 100				
DCY - 200				
DCZ - 200				
DCZ - 361	DCZ-365	DCZ-366	DCZ-367	DCZ-368
DCZ - 400				
DCZ - 500				
DCZ - 920				
Z 2000				
Z 3000				
DV - 100				
DW - 100				
DV - 1250				
DW - 1350				
DS - 100				
DS - 211				
DP - 2				
DP - 1111				

					
DCZ-369					
	DCZ-920				
		DS-103	DS-105	DS-100	DS-130 -131

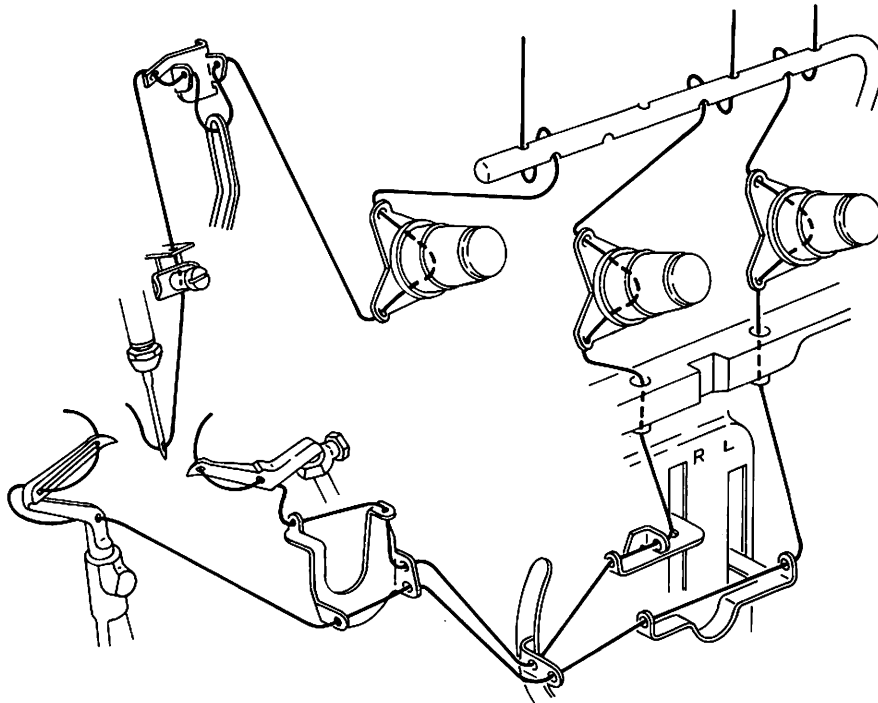
<div style="text-align: center;">Comparison Items</div> <div style="text-align: left; padding-left: 10px;">Class of Machines</div>				
DC - 1H				
DCY - 100				
DCY - 200				
DCZ - 200				
DCZ - 361				
DCZ - 400				
DCZ - 500				
DCZ - 920				
Z 2000				
Z 3000				
DV - 100		DV-101	DV-100	DV-103 -104
DW - 100			DW-100	DW-103 -104
DV - 1250		DV-1261 -1262,-1265	DV-1250	DV-1253 -1254
DW - 1350			DW-1350	DW-1353 -1354
DS - 100	DS-102			
DS - 211				
DP - 2				
DP - 1111				

					
					DCZ-203/BT
					DCZ-503/BT
DV-100S -105,-109		DV-101			
DW-100S -105,-109					
DV-1255 -1259					
DW-1355 -1359	DW-1371				
				DP-2 -3	
				DP-1111 -1112	

3. Mechanical Information of Yamato Sewing Machine

3-1 Threading Chart

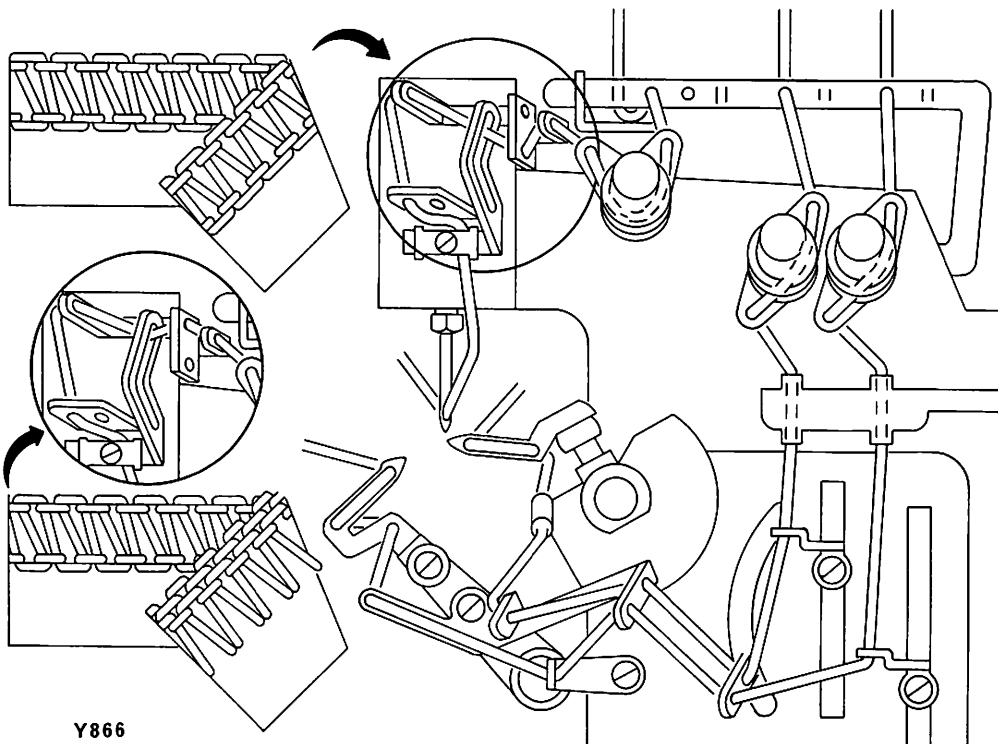
DCZ-200/500



Models

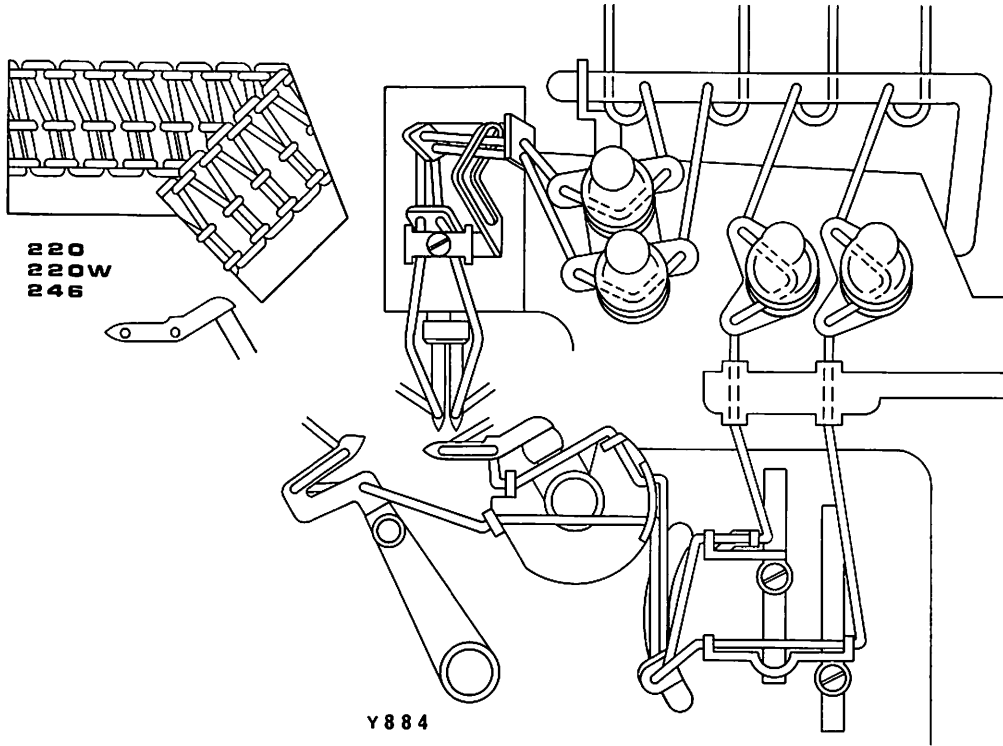
- DCZ-200
- 201
- 203
- 205
- 206
- 216
- 245
- DCZ-500
- 501
- 503
- 515
- 545
- 553

DCZ-202

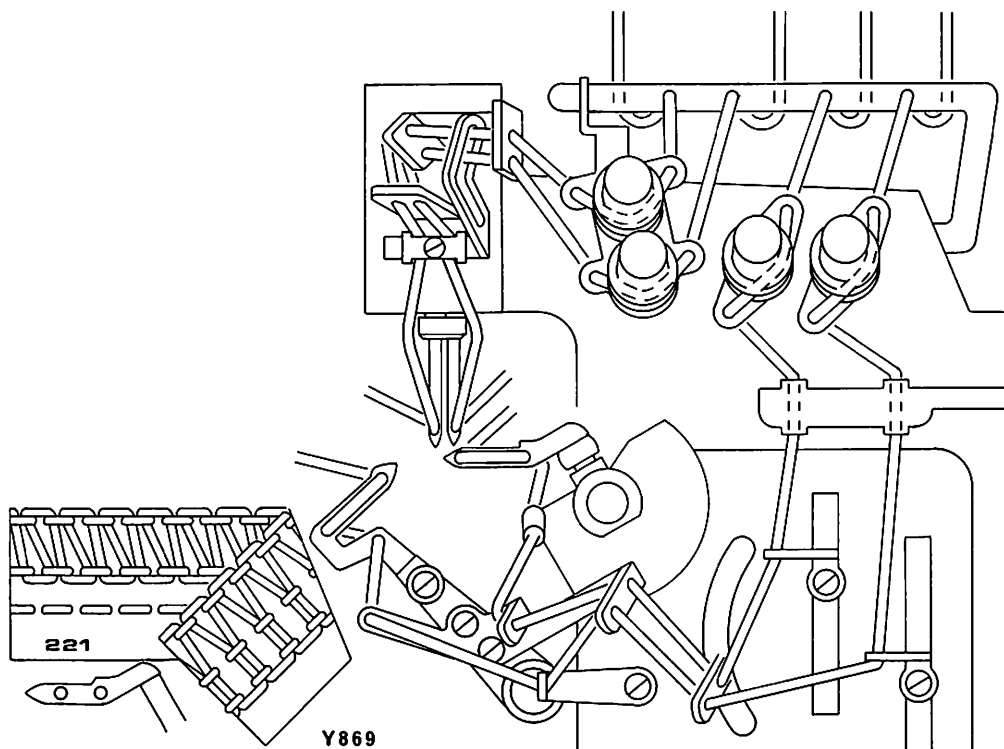


Y866

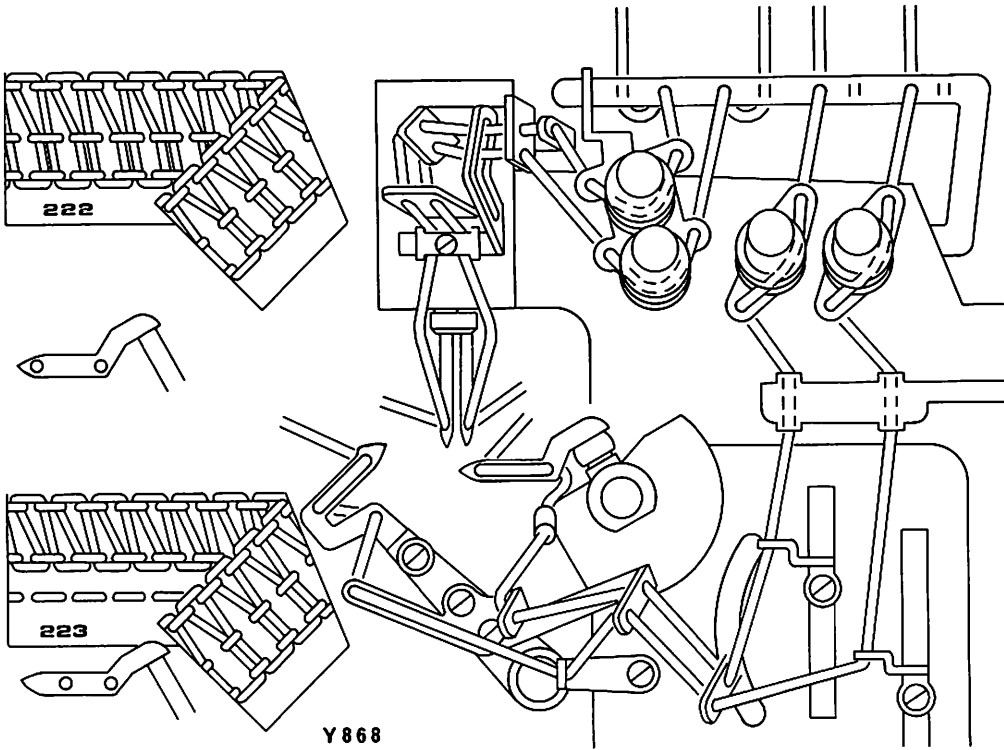
DCZ-220



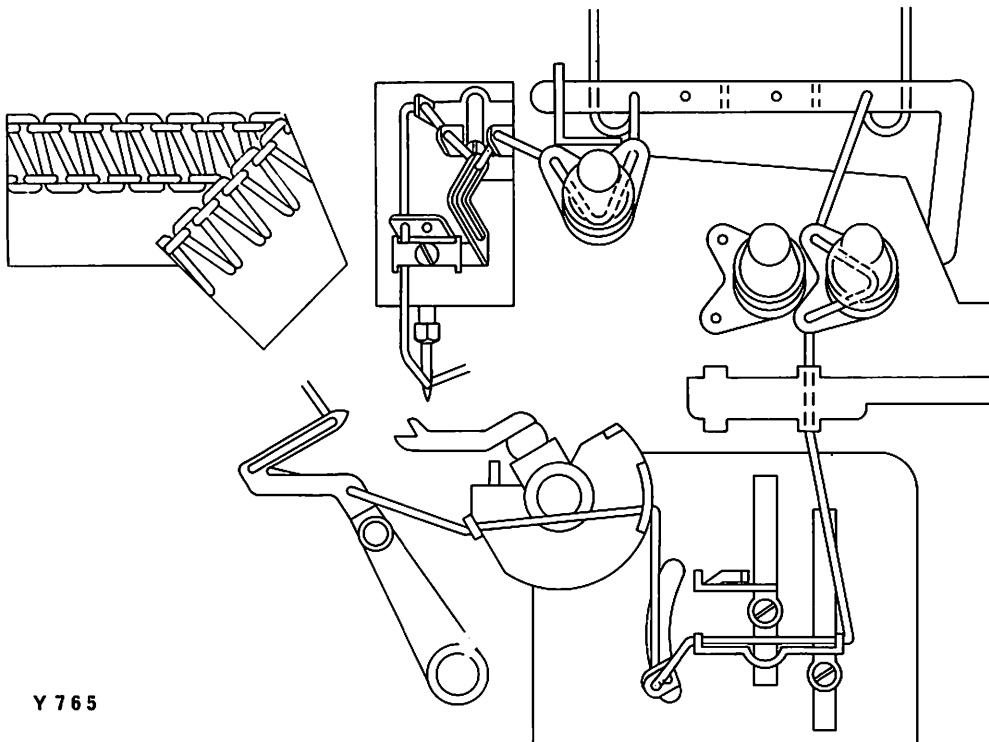
DCZ-221



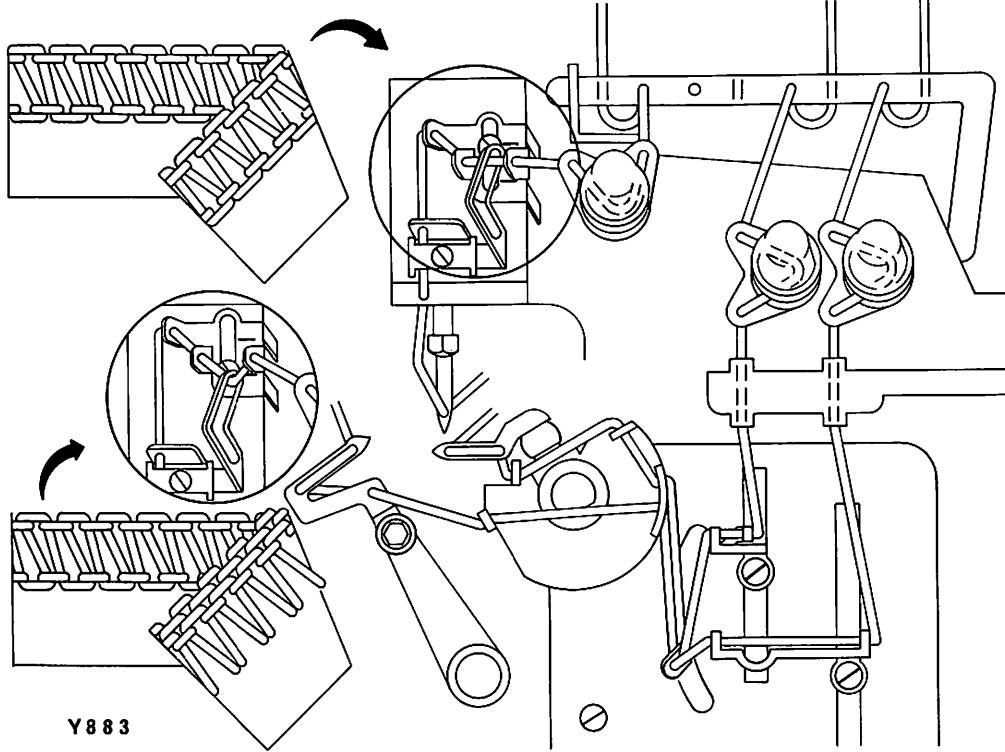
DCZ-222/ 223



DCZ-237



DCZ-290/581

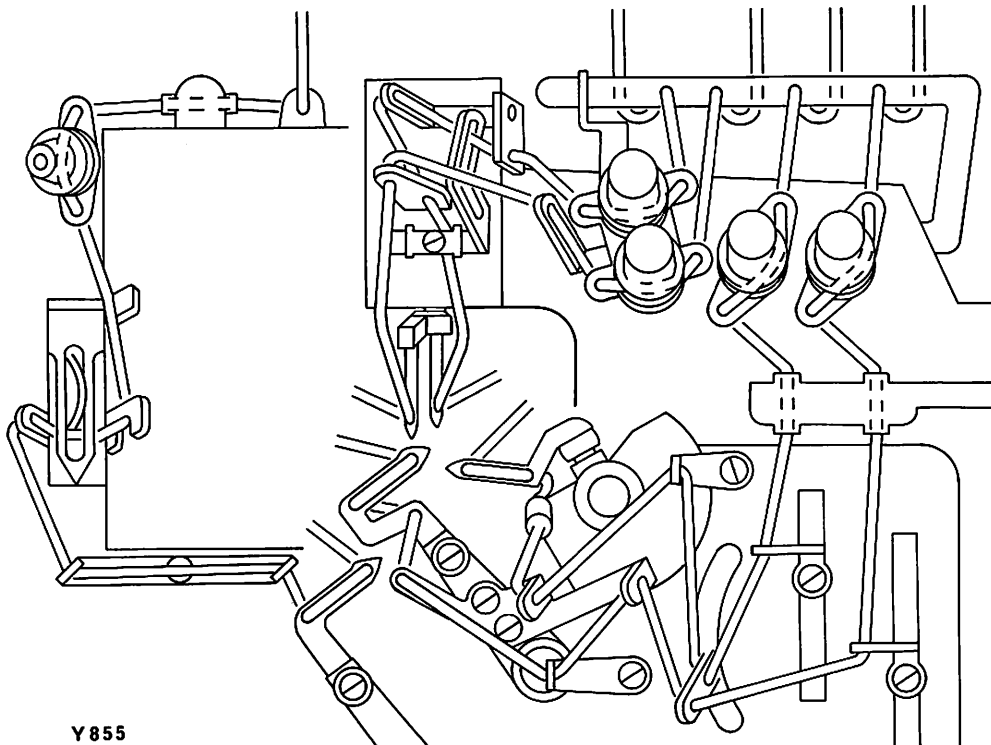


Models

- DCZ-290
- 581
- 582

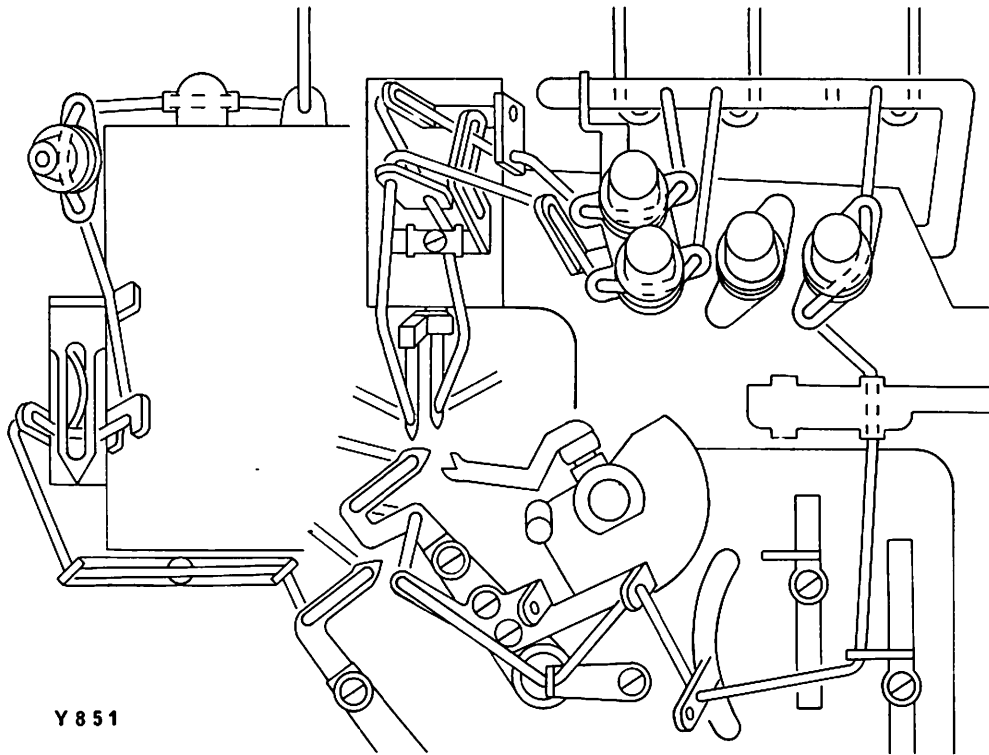
Y883

DCZ-341



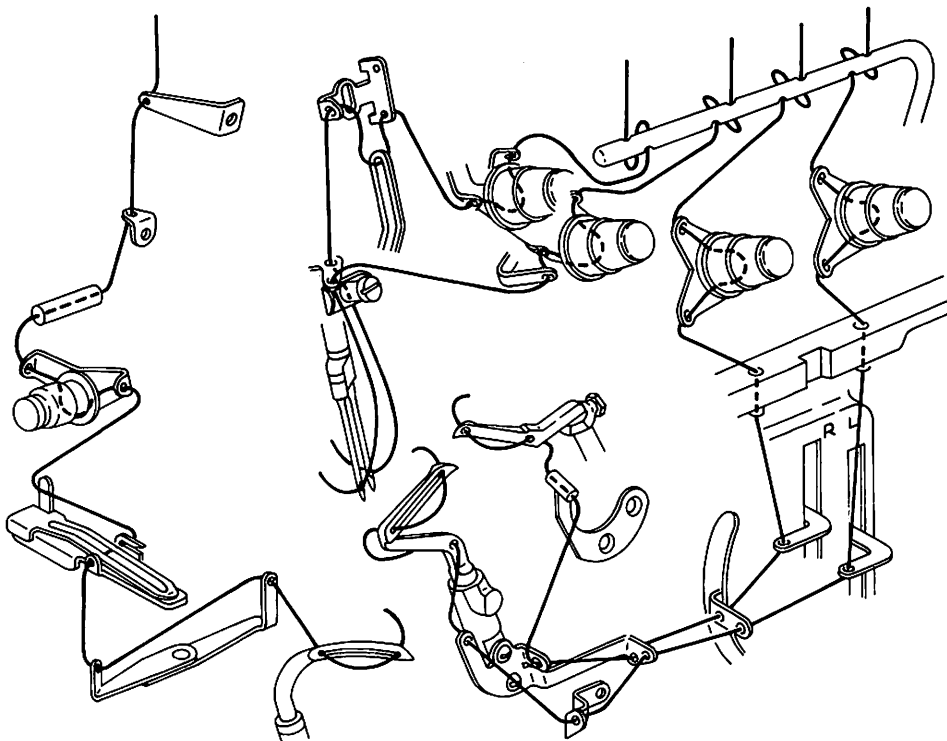
Y855

DCZ-342



Y851

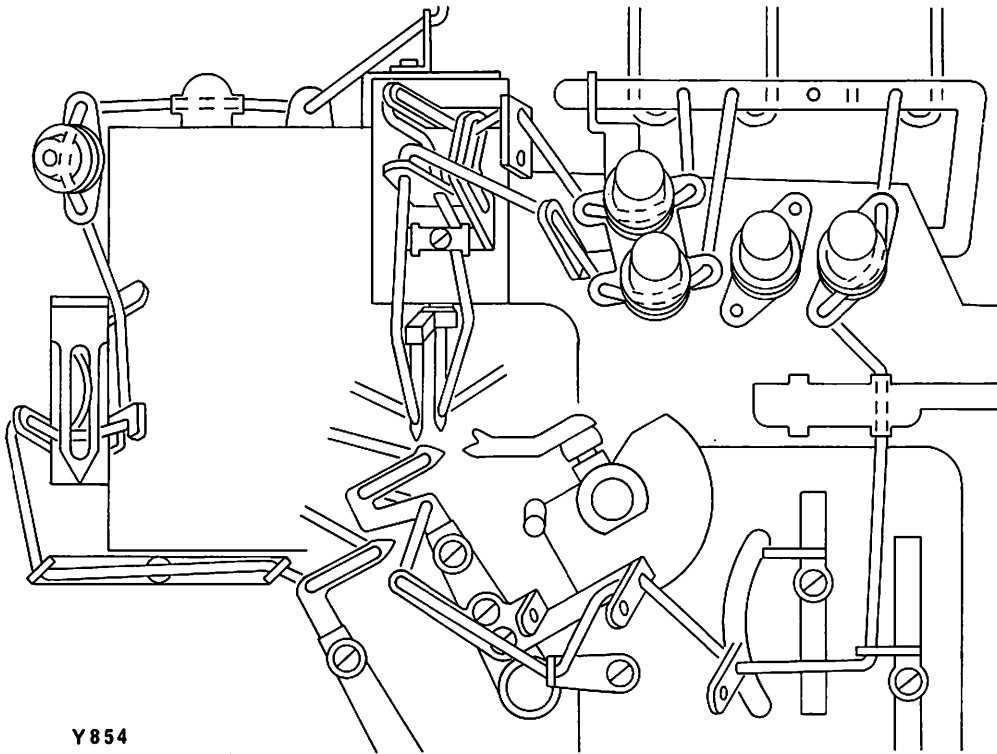
DCZ-361



Models

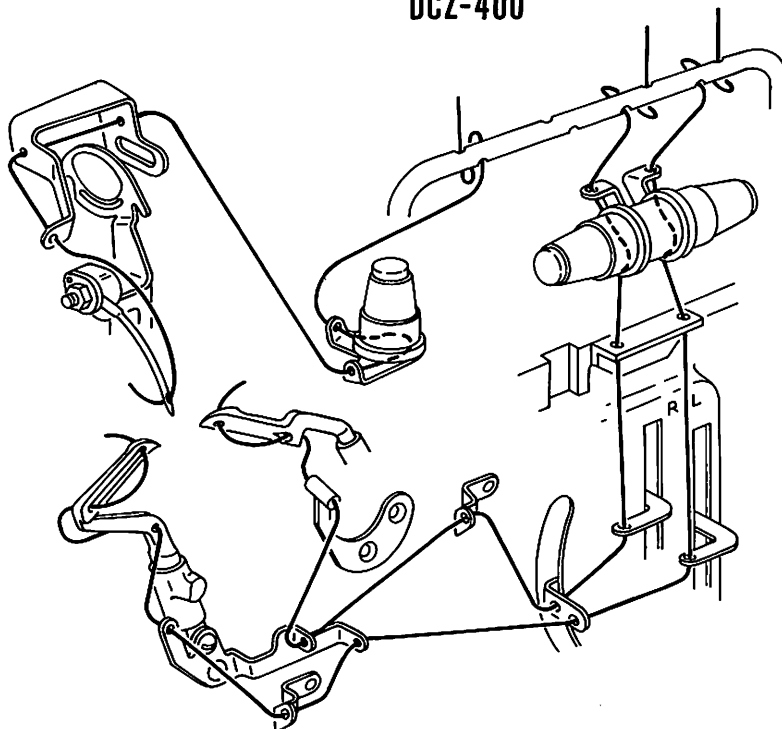
- DCZ-361
- 365
- 366
- 367
- 368
- 369

DCZ-362



Y854

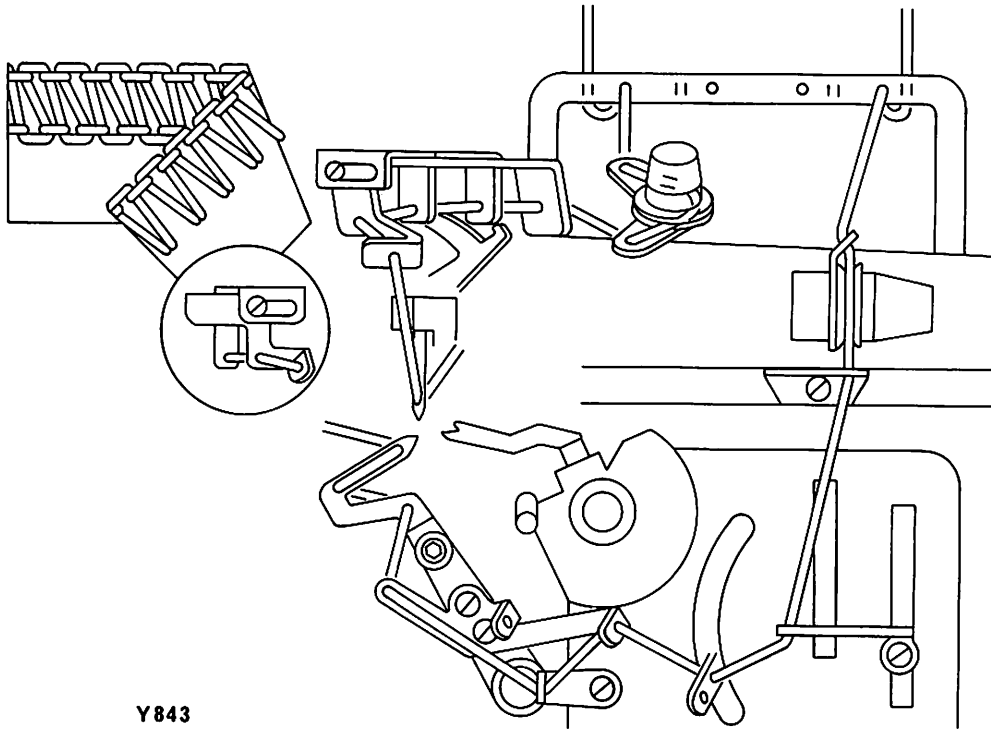
DCZ-400



Models

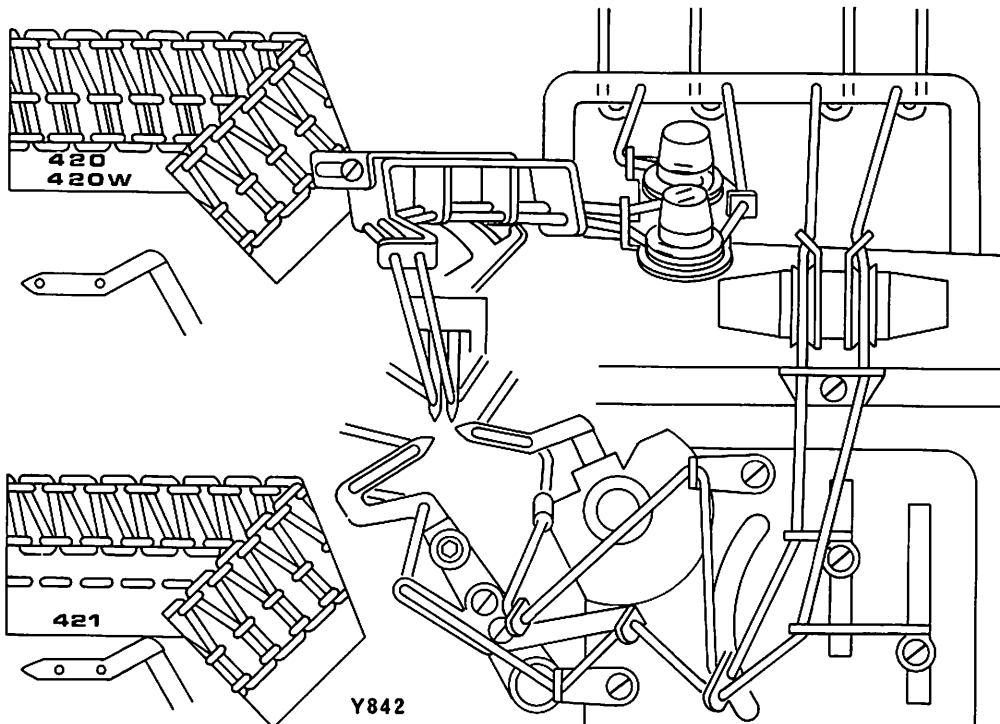
- DCZ-400
- 401
- 403

DCZ-410



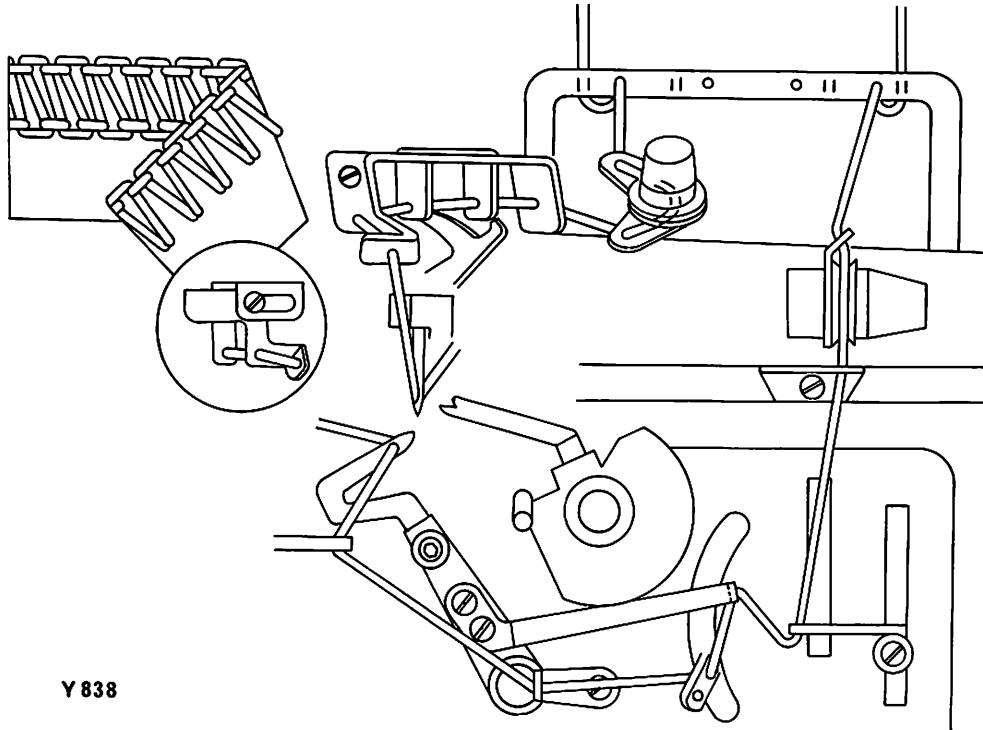
Y843

DCZ-420



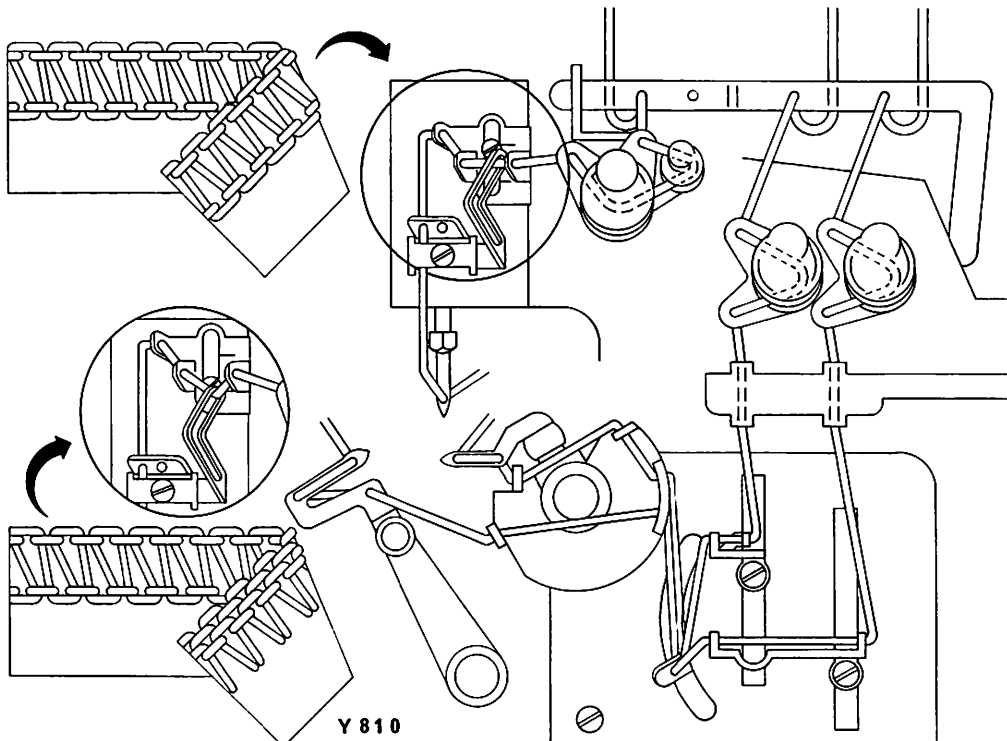
Y842

DCZ-437



Y 838

DCZ-503/ BT

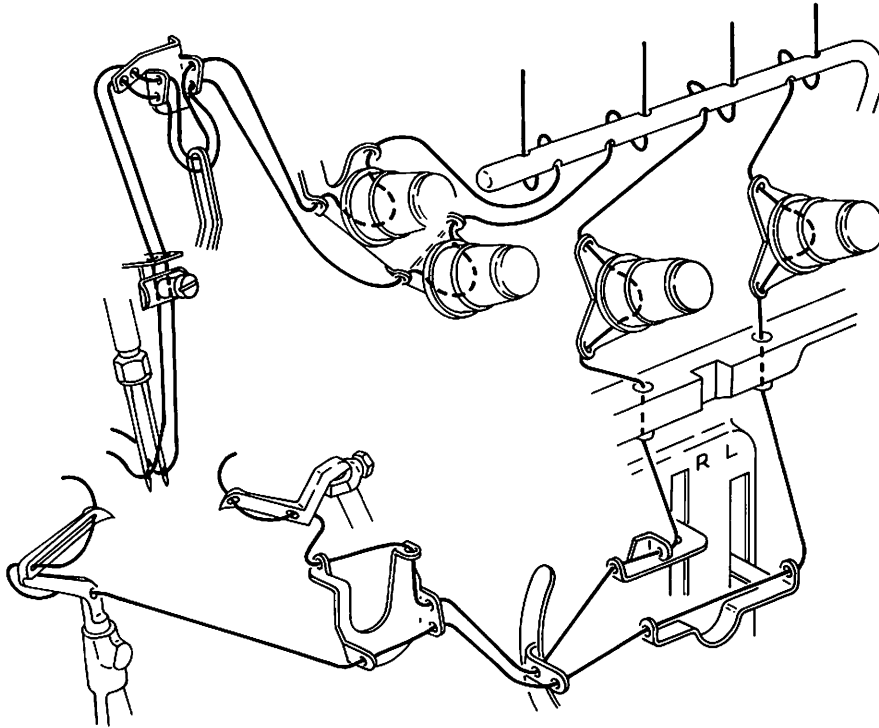


Models

DCZ-203/BT
-503/BT

Y 810

DCZ-520

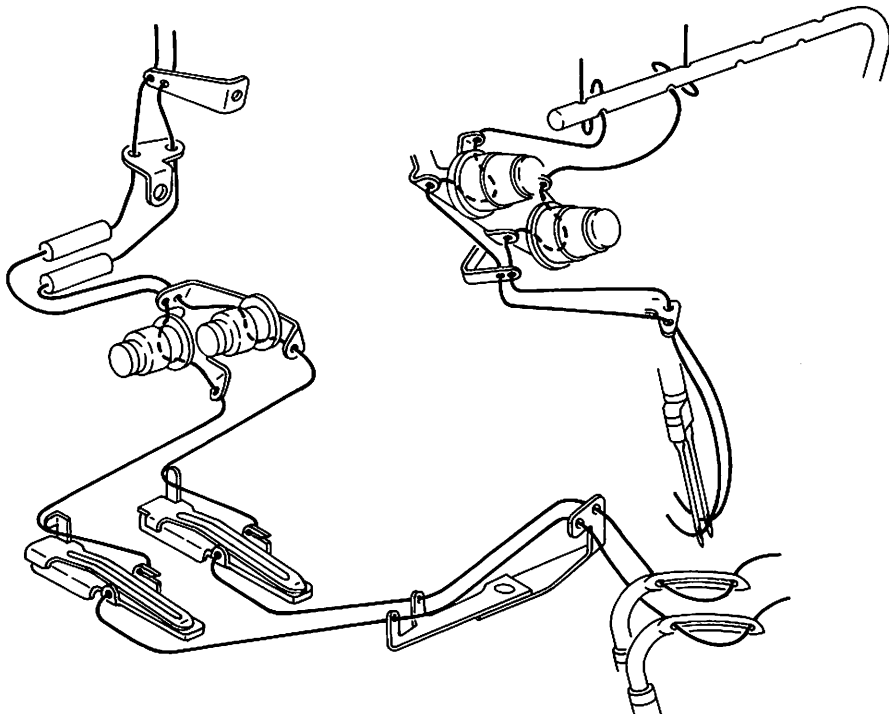


Models

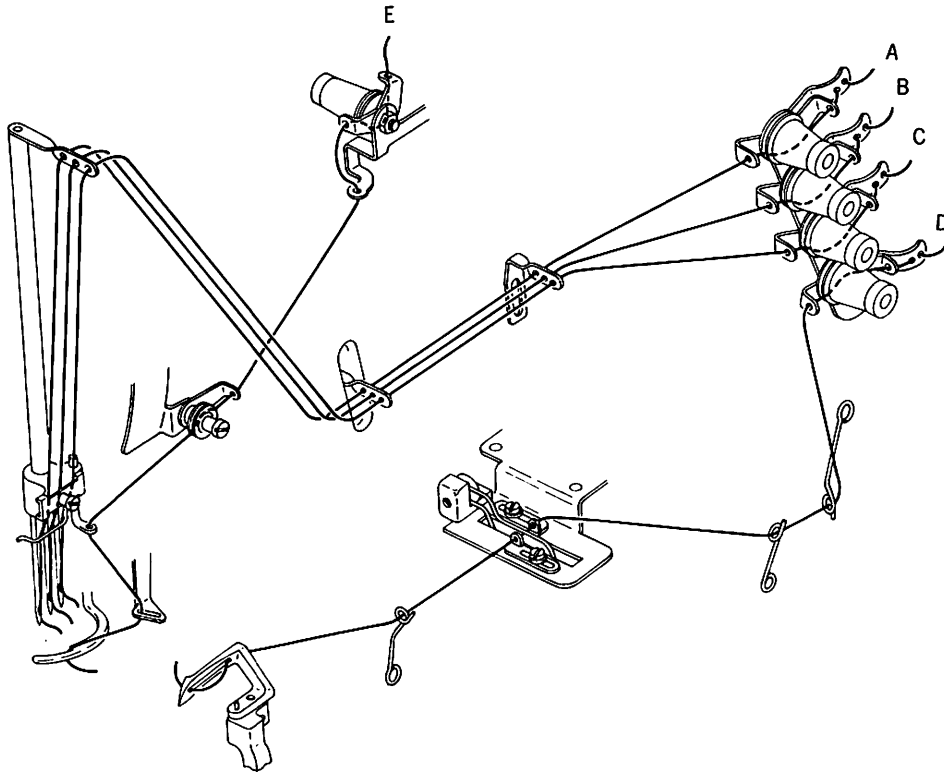
- DCZ-520
- 520 W
- 521
- 546
- 547
- 554

- DCZ-270
- 270 W

DCZ-920

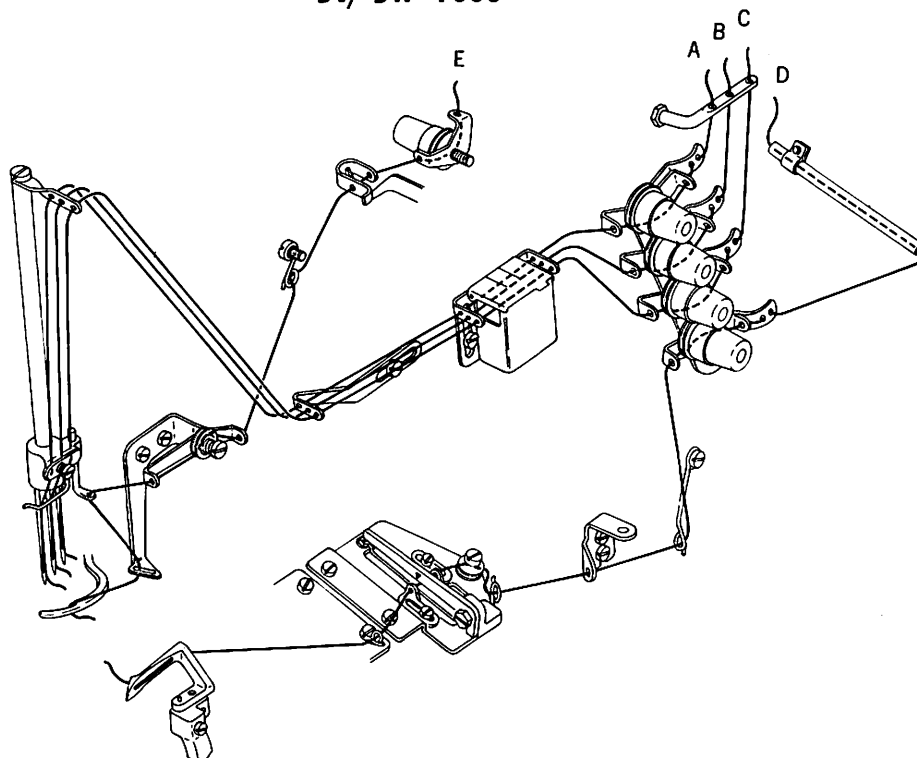


DV/DW-100



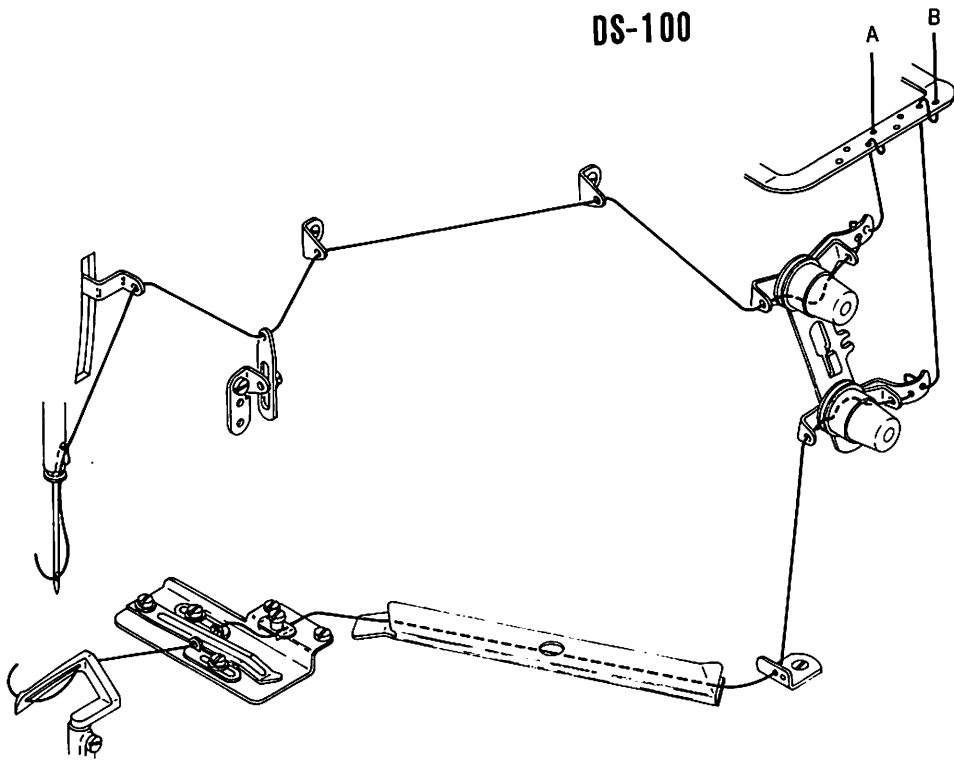
Models	Threading
DV-100	
-100S	
-103	A B D E
-104	
-105	
-109	
-101	A B D
DW-100	
-103	
-104	A B C D E
-105	
-109	

DV/DW-1000



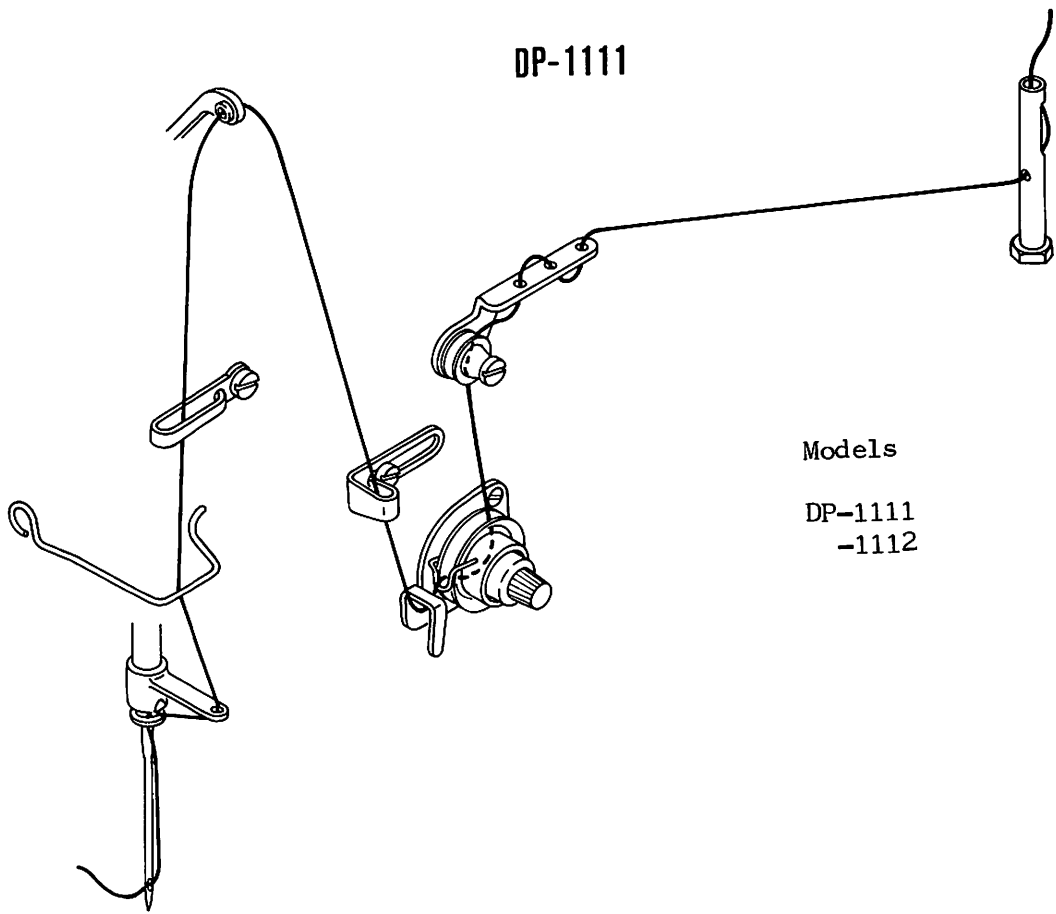
Models	Threading
DV-1250	
-1253	
-1254	A B D E
-1255	
-1259	
-1258	A D
-1261	
-1262	A B D
-1265	
-1350	
-1353	
-1354	A B C D E
-1355	
-1359	
-1371	

DS-100



Models	Threading	
DS-100		
-100-1	A	B
-105		
-102	A × 2	
-103E	B × 2	

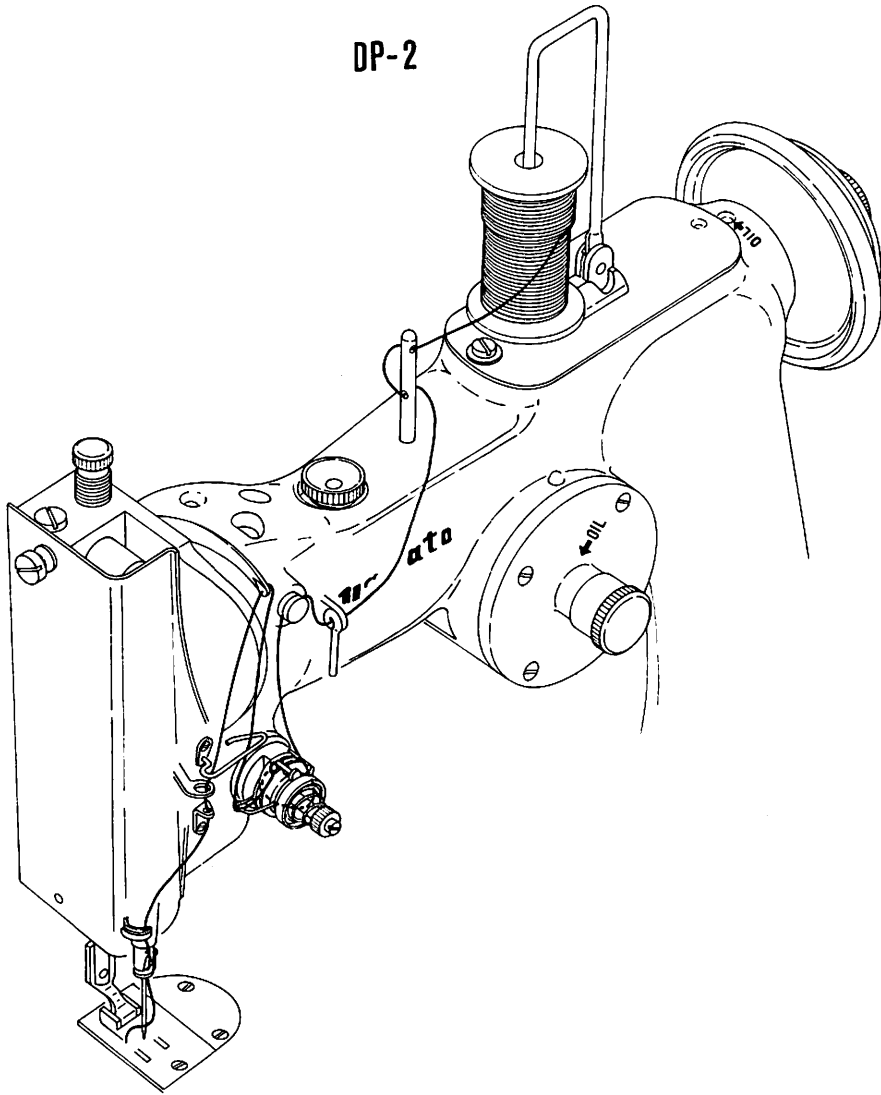
DP-1111



Models

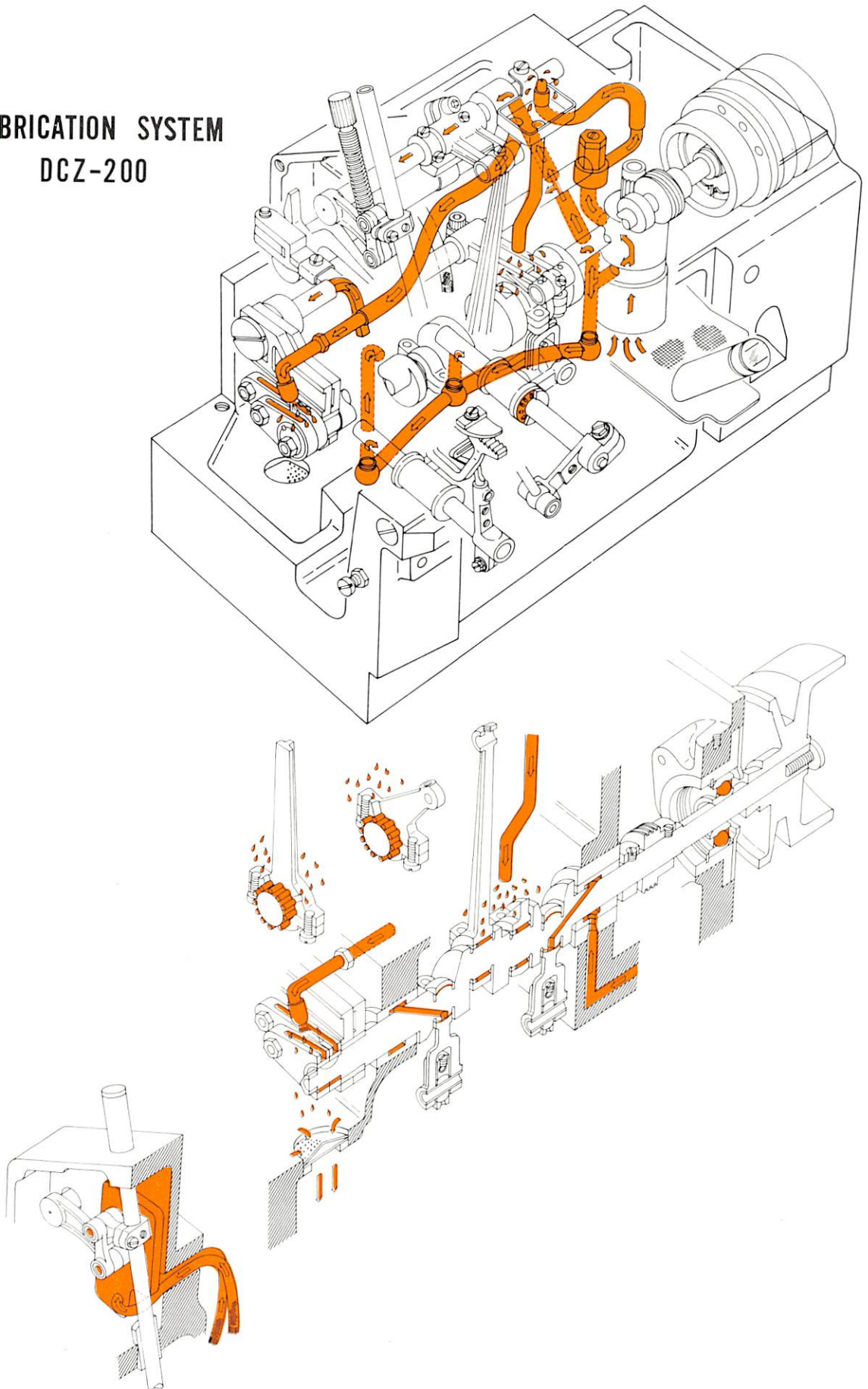
- DP-1111
- 1112

DP-2

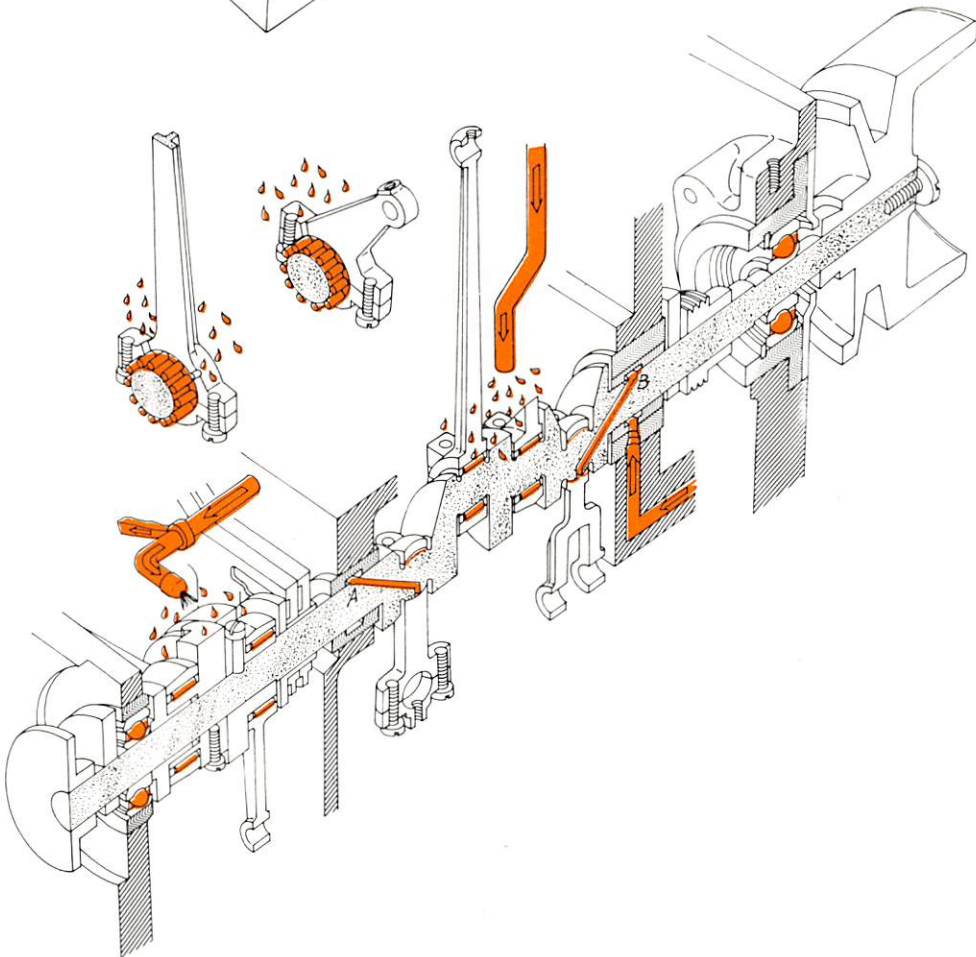
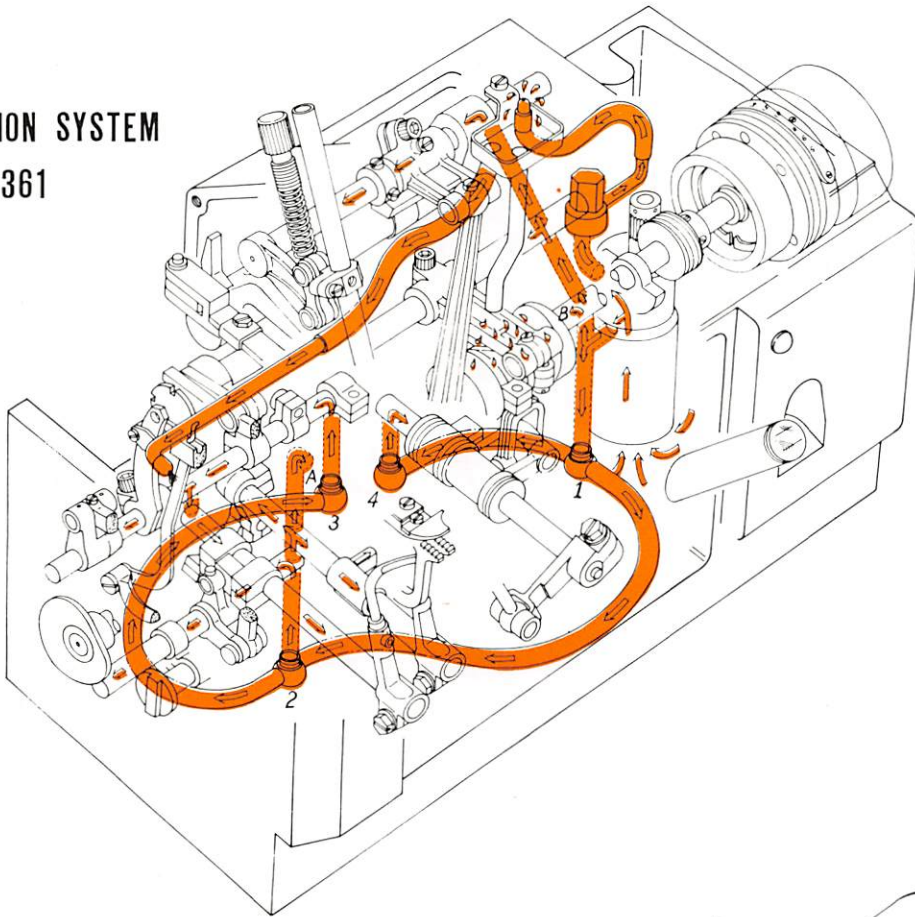


3-2

LUBRICATION SYSTEM DCZ-200

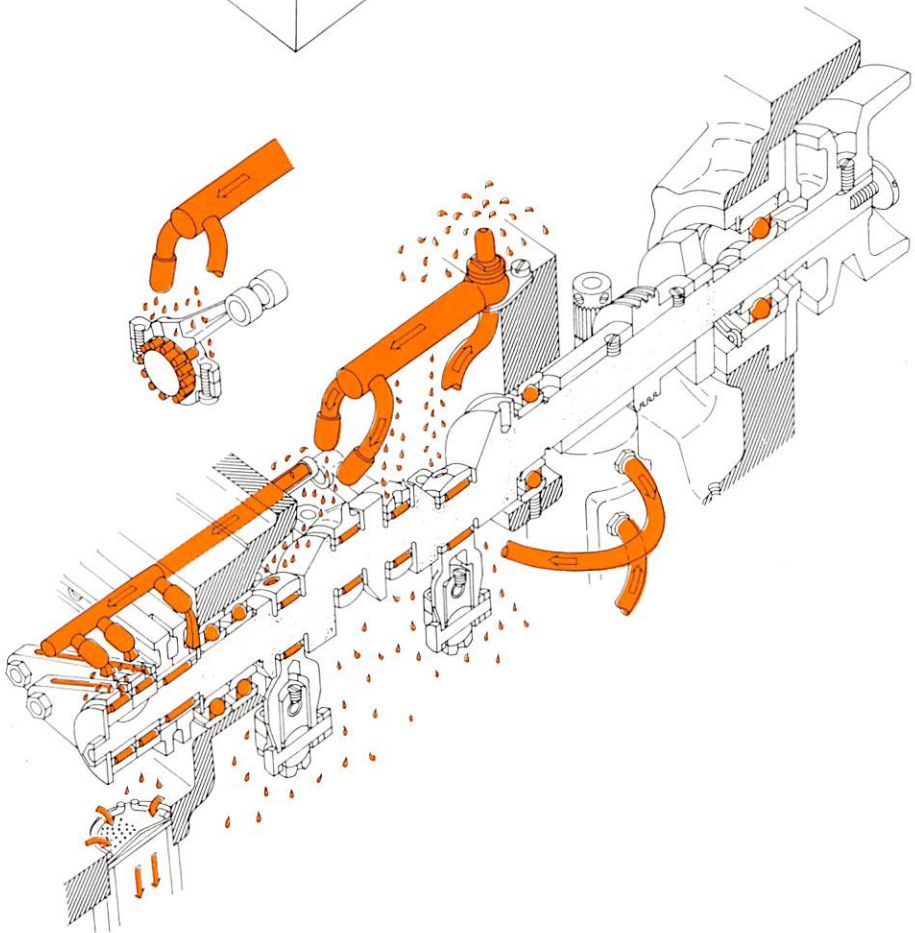
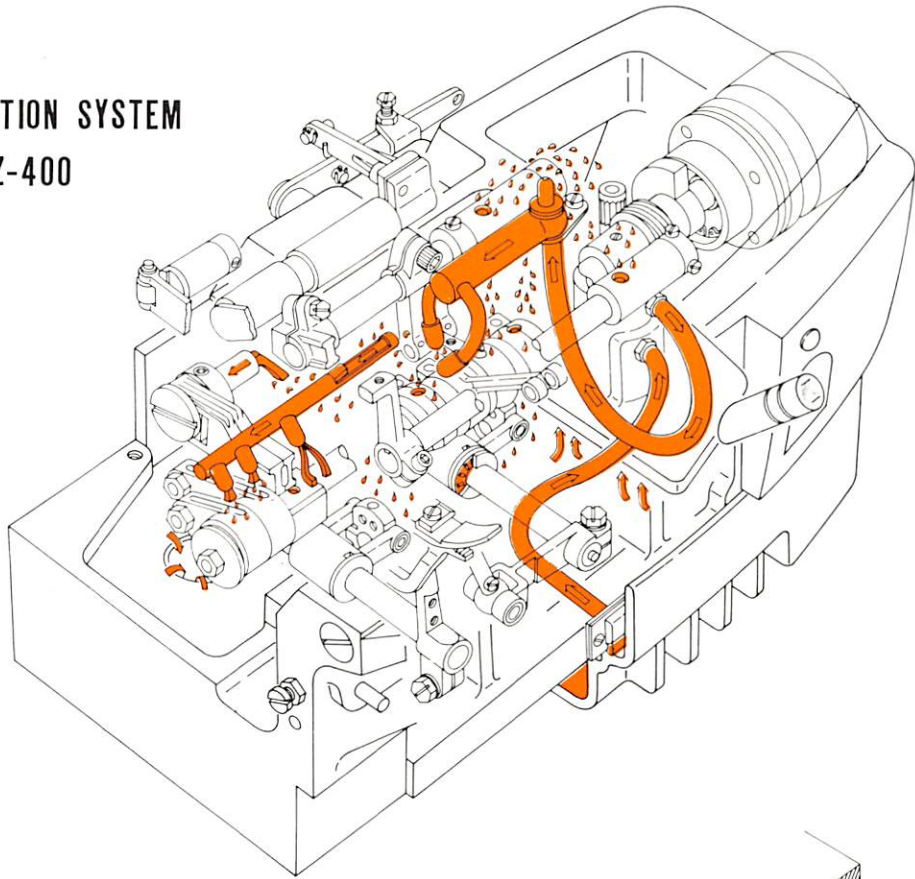


LUBRICATION SYSTEM
DCZ-361

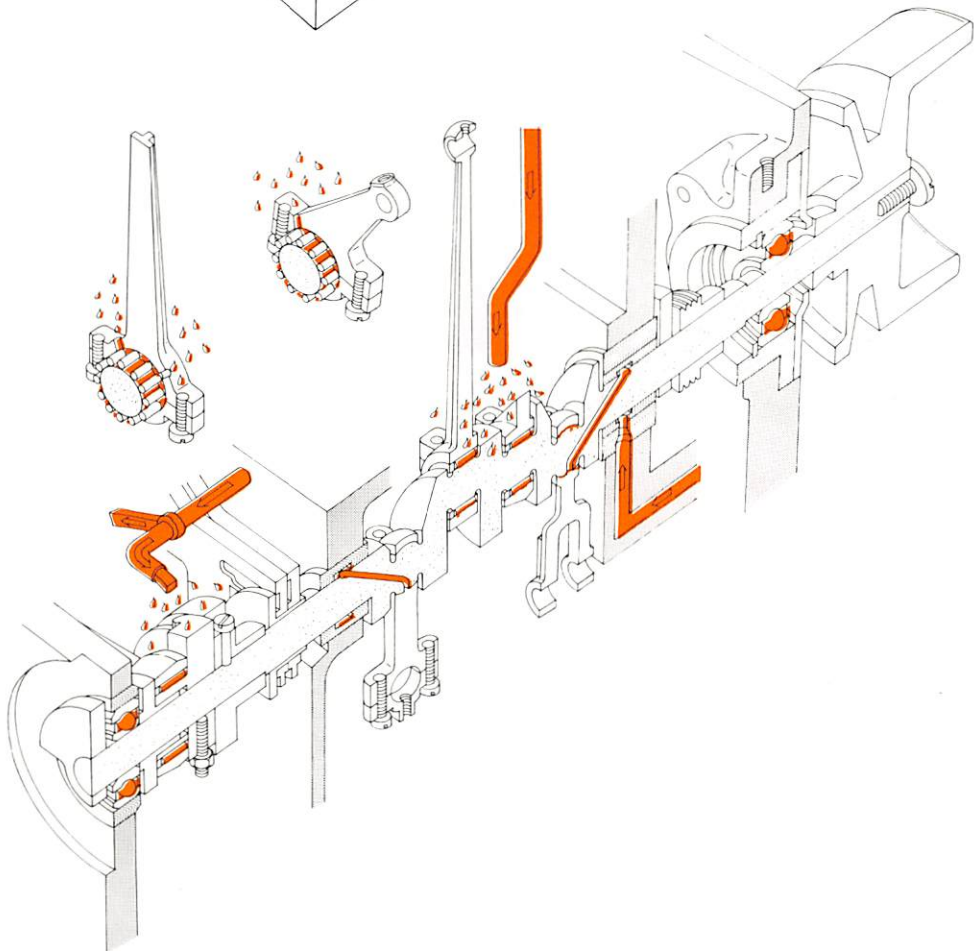
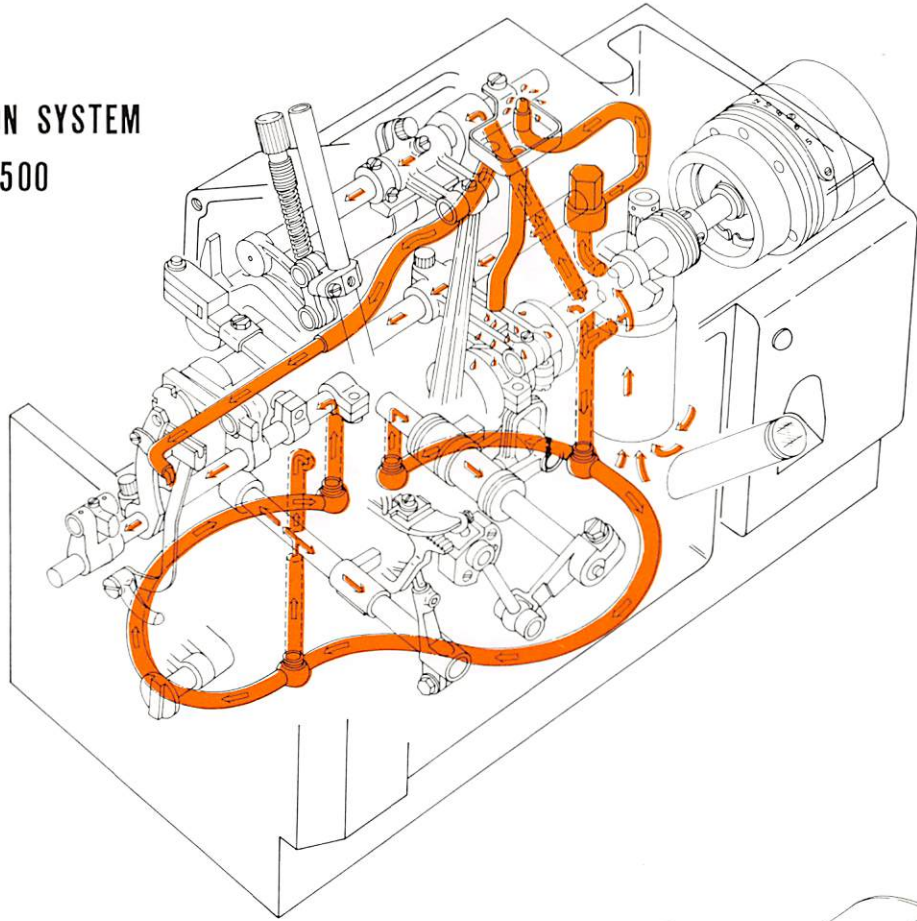


LUBRICATION SYSTEM

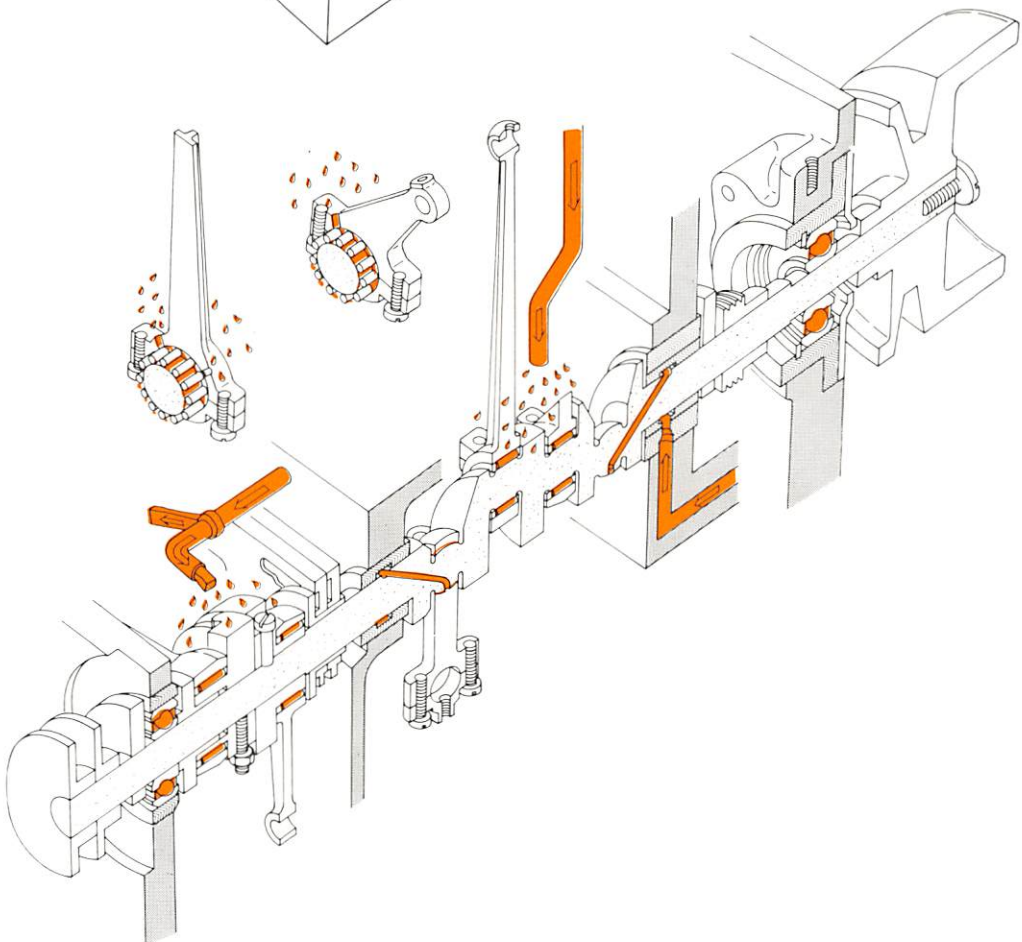
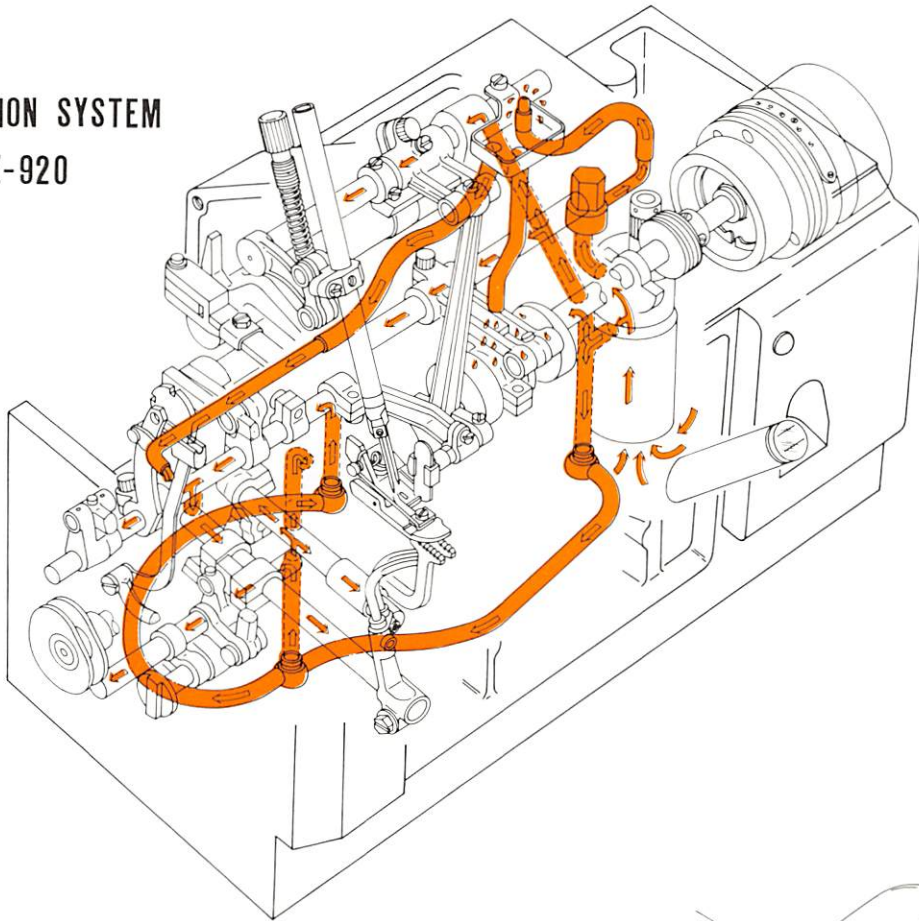
. DCZ-400



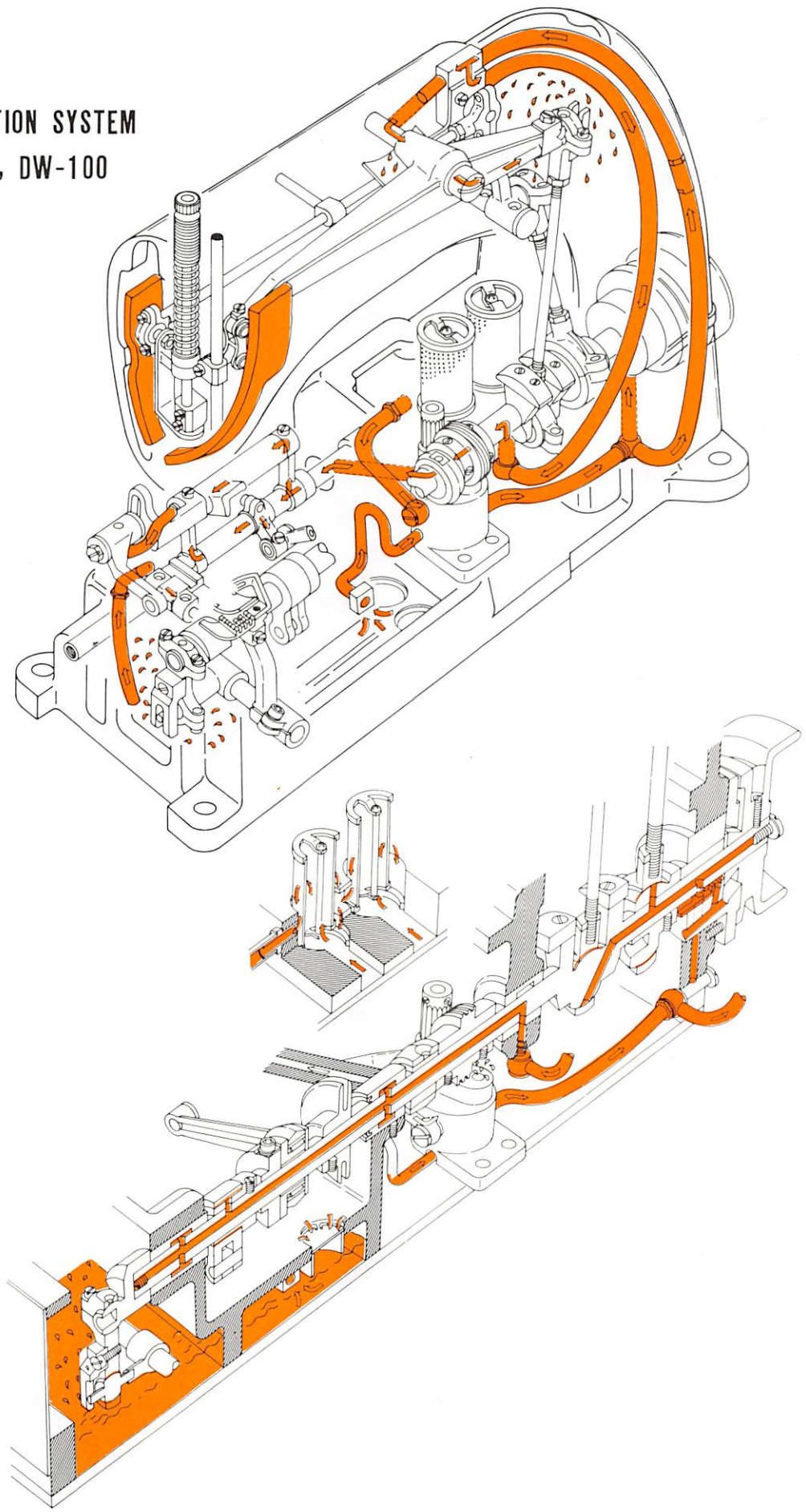
LUBRICATION SYSTEM
DCZ-500



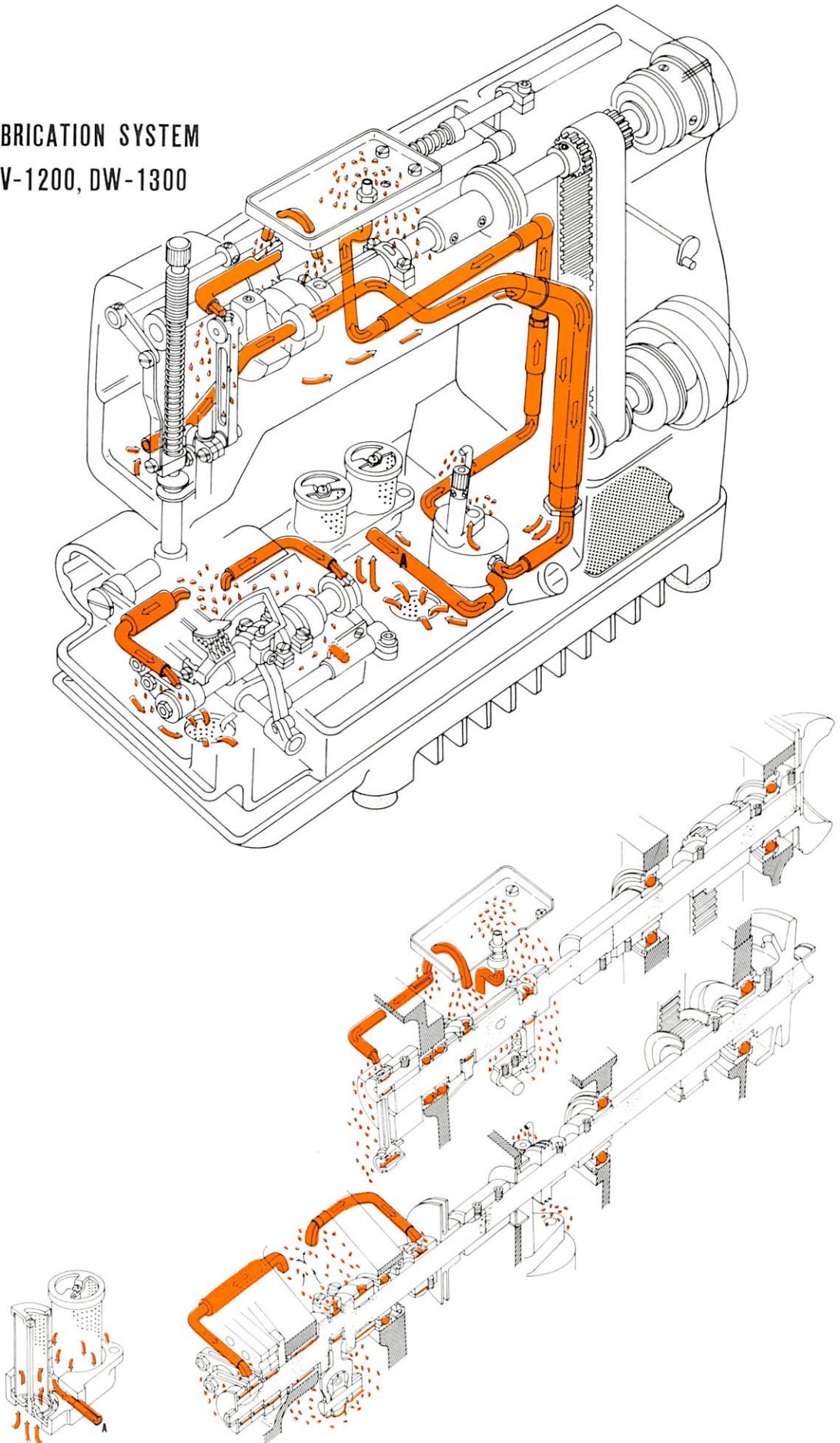
LUBRICATION SYSTEM
DCZ-920



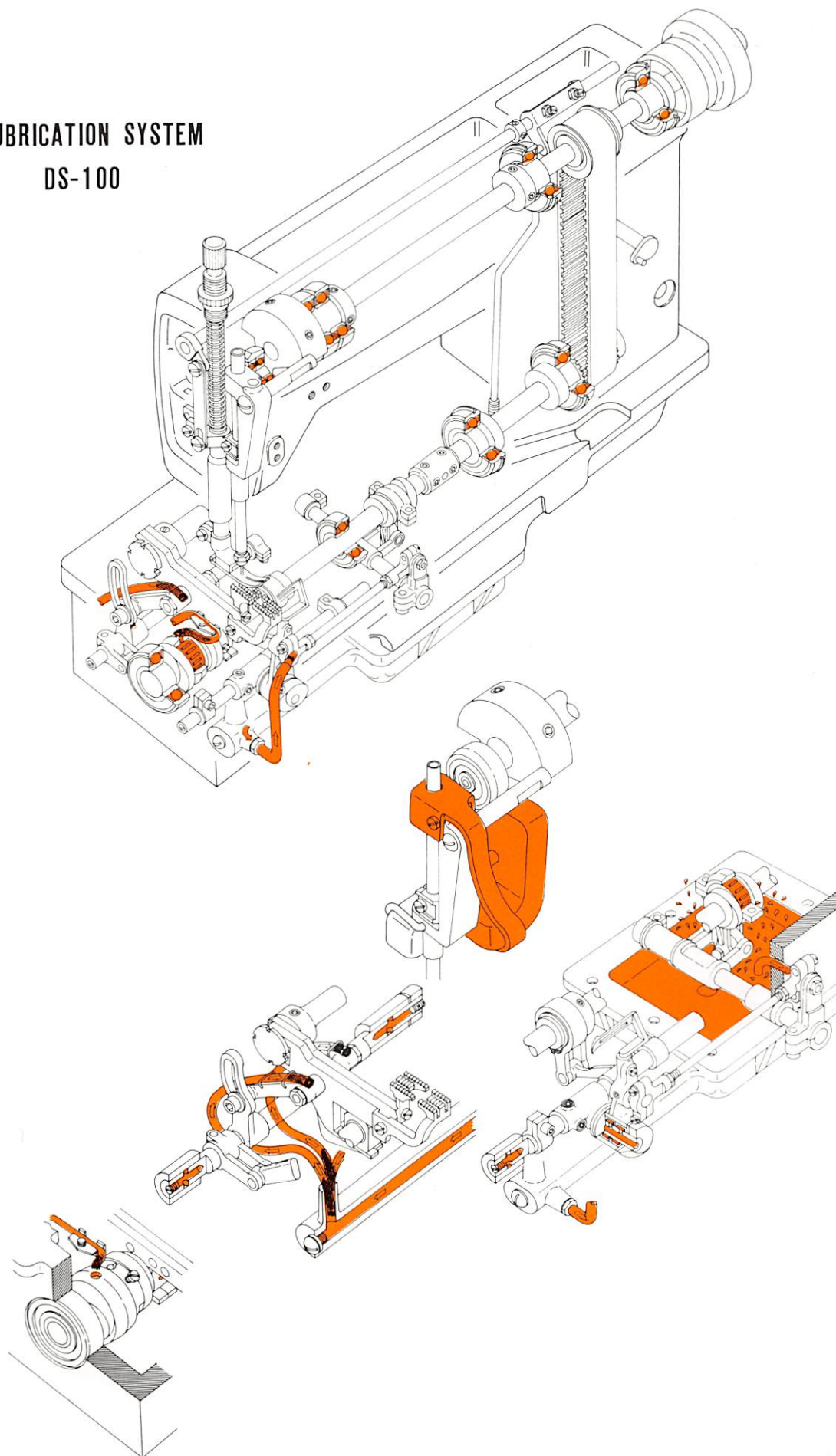
LUBRICATION SYSTEM
DV 100, DW-100



LUBRICATION SYSTEM
DV-1200, DW-1300

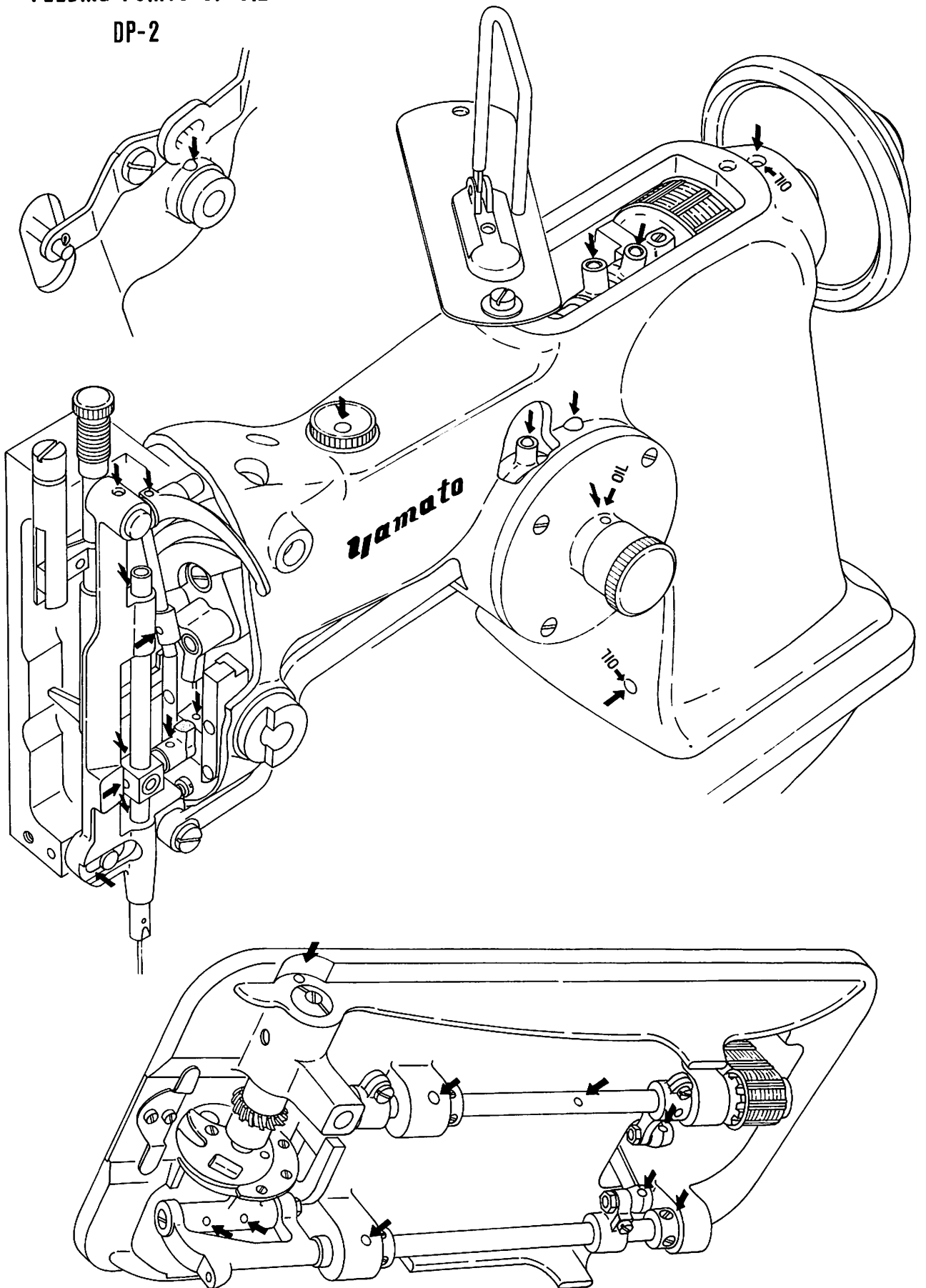


LUBRICATION SYSTEM
DS-100



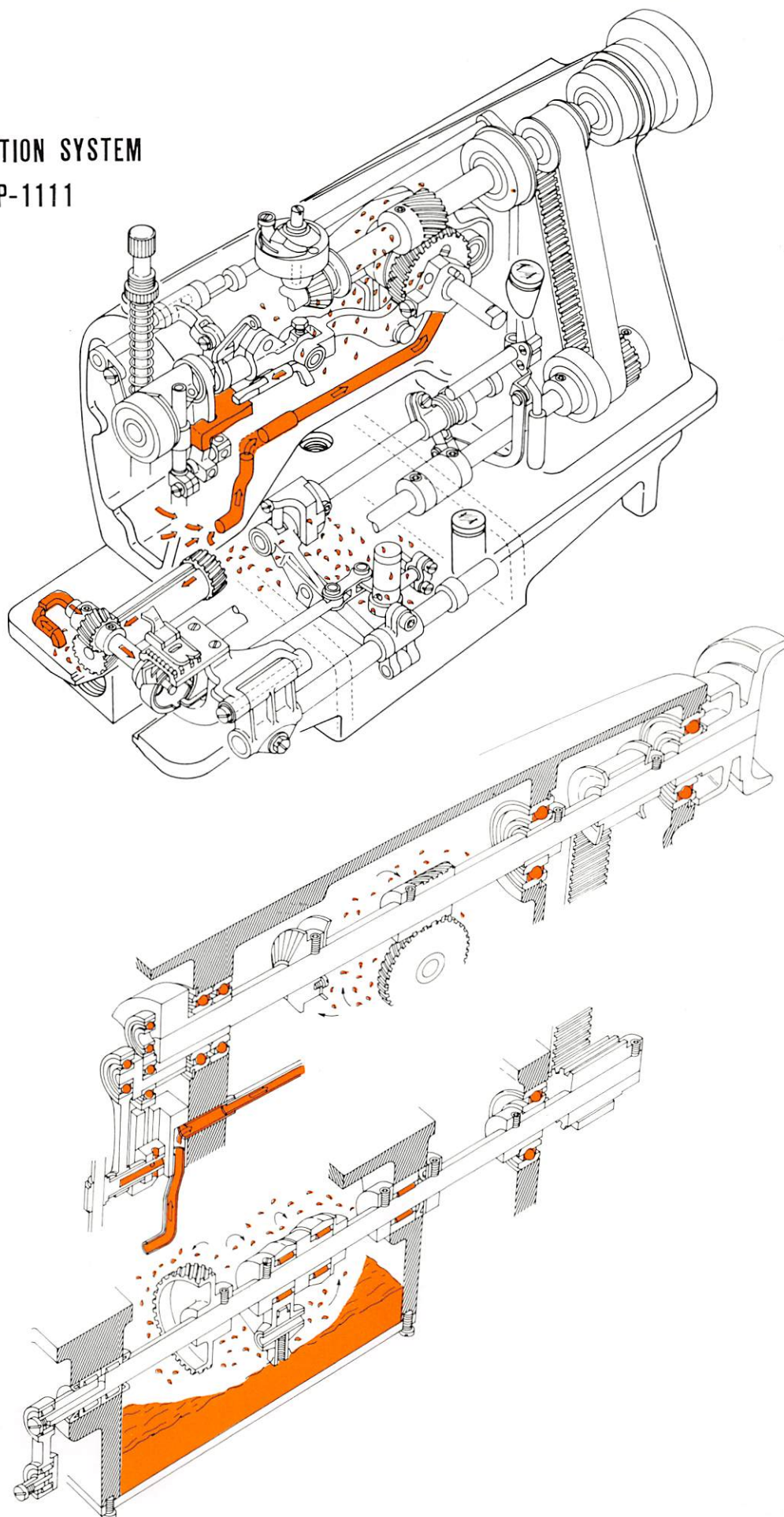
FEEDING POINTS OF OIL

DP-2

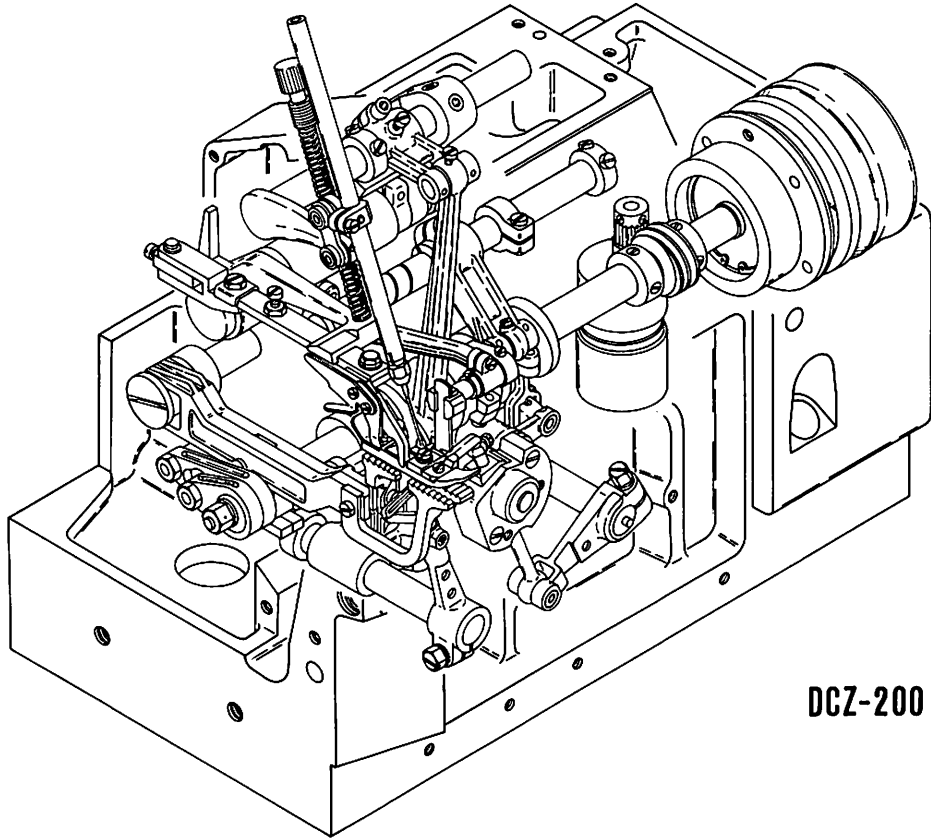


LUBRICATION SYSTEM

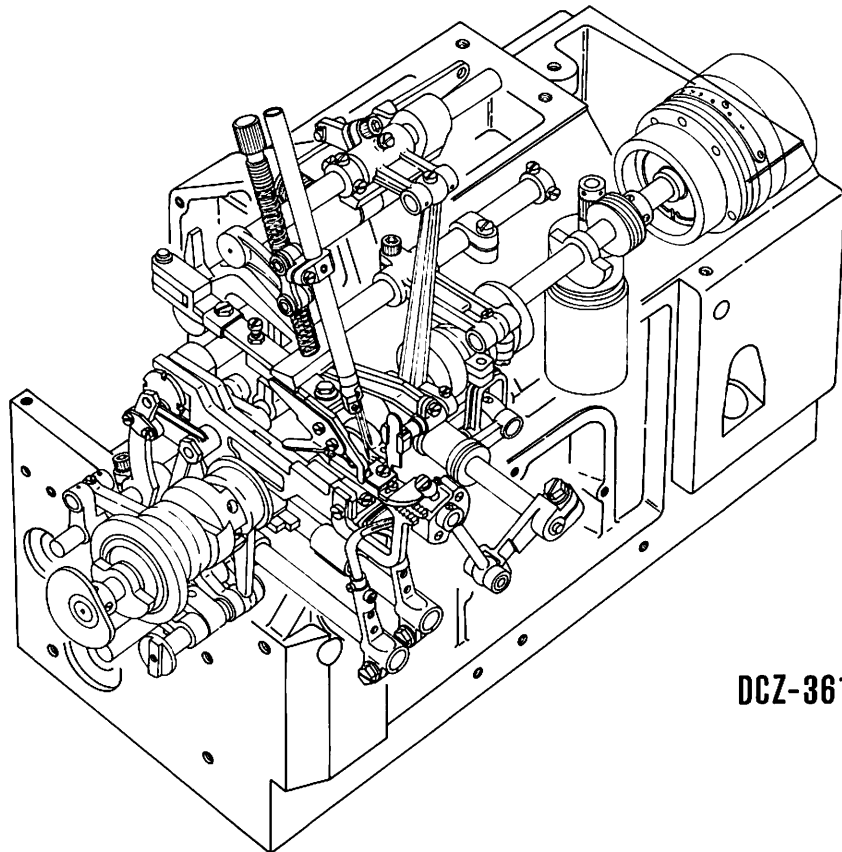
DP-1111



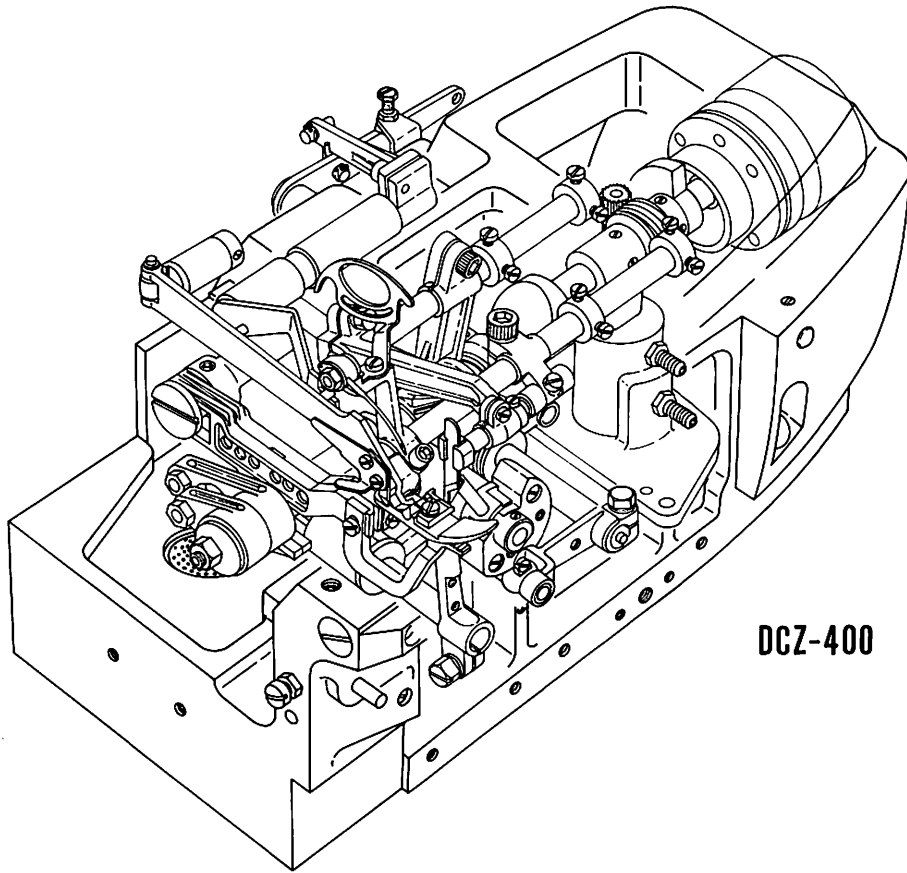
3-3 Construction of Machines



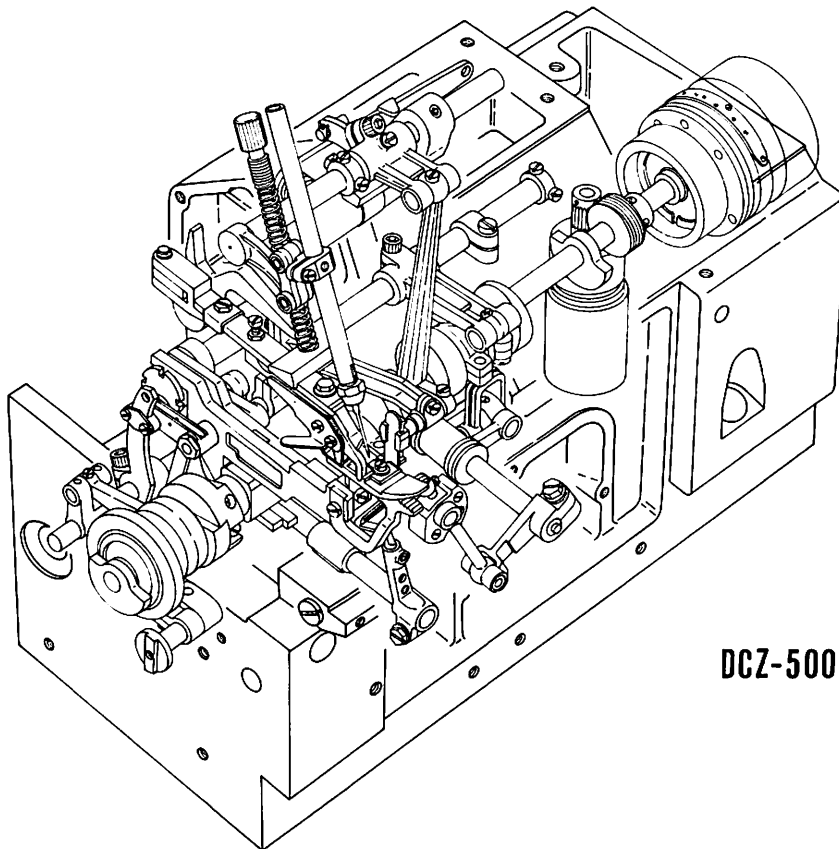
DCZ-200



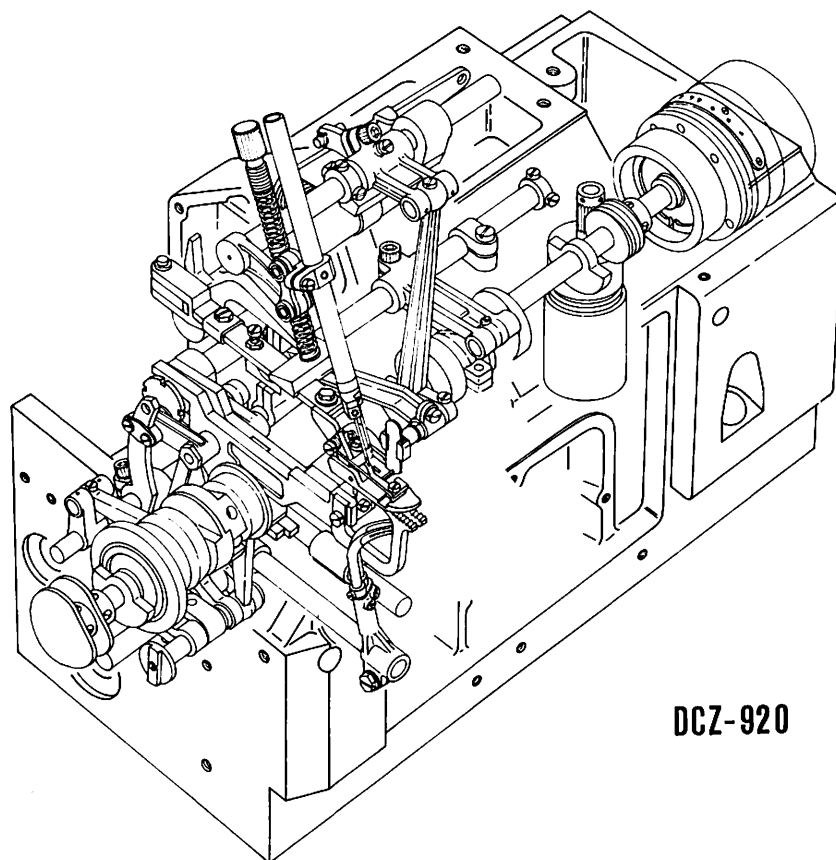
DCZ-361



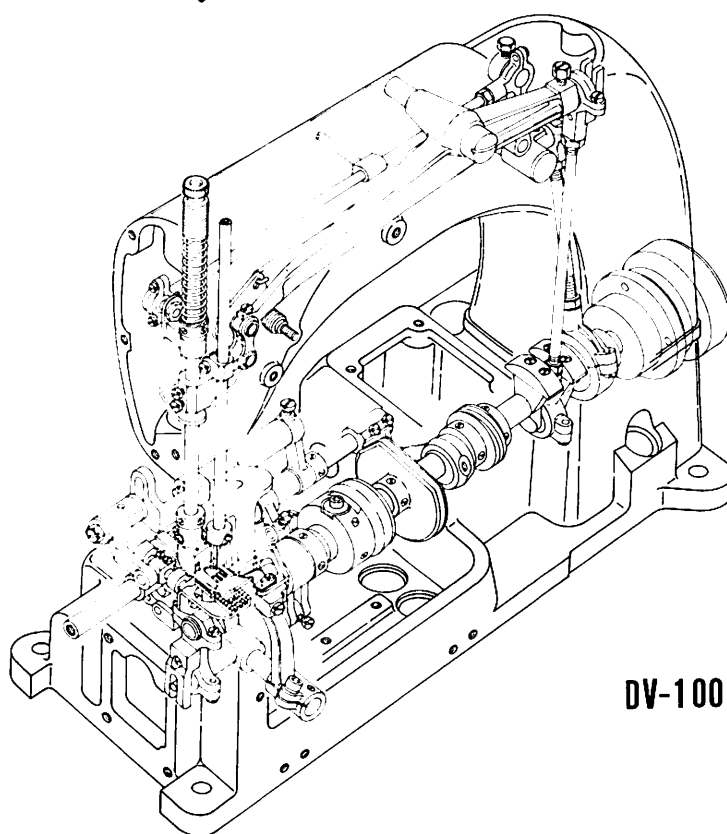
DCZ-400



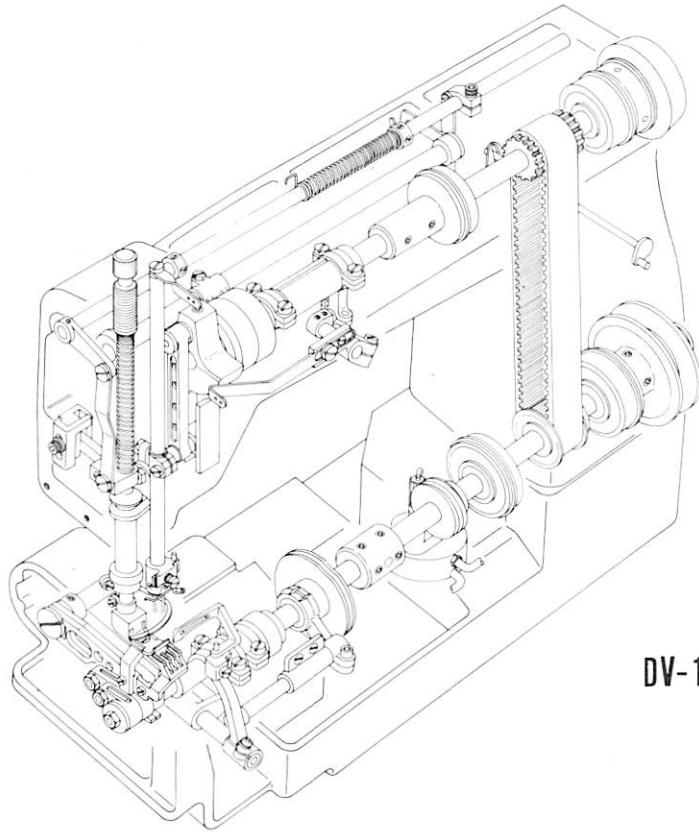
DCZ-500



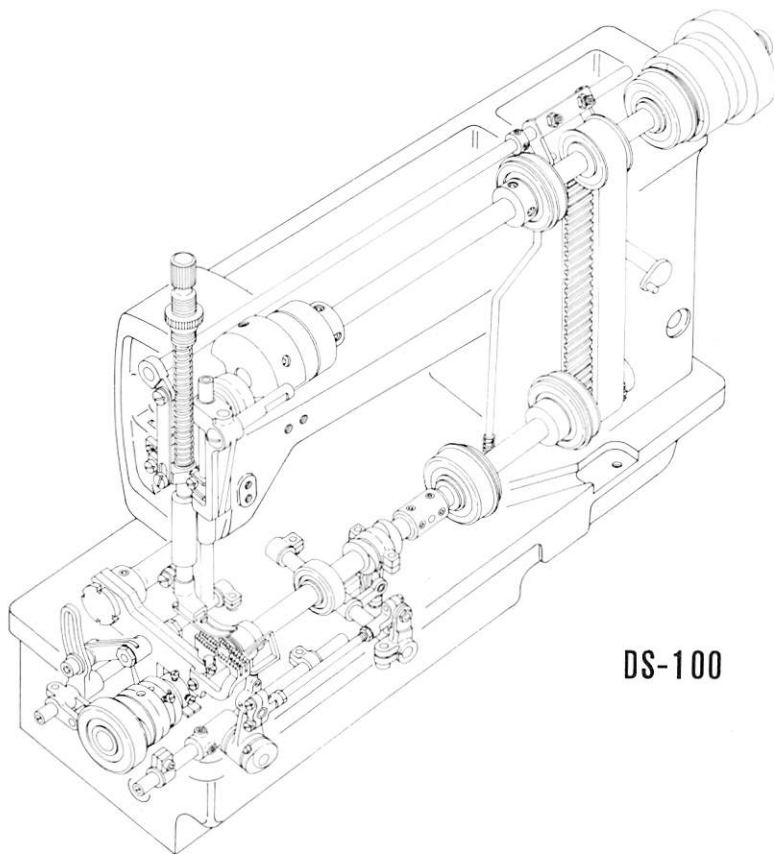
DCZ-920



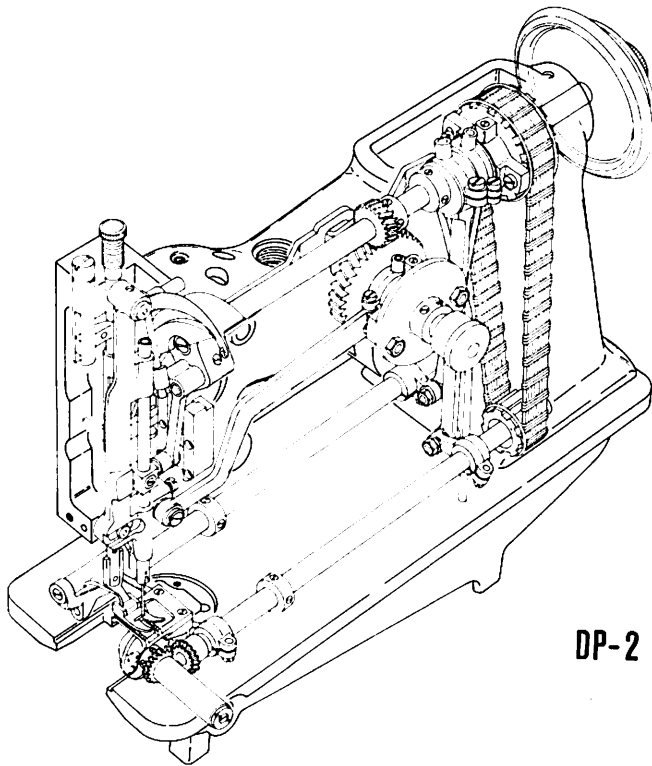
DV-100



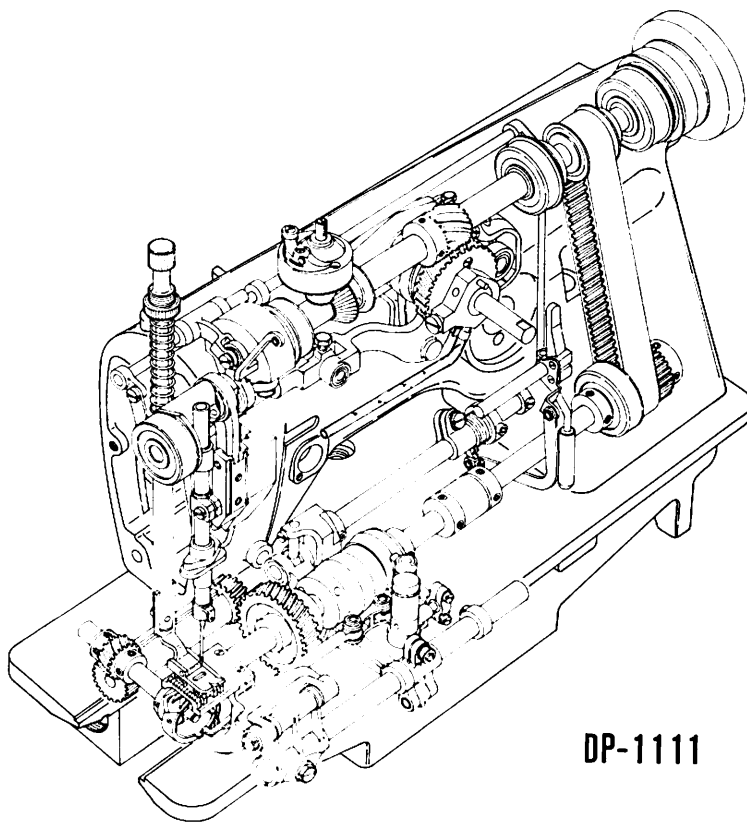
DV-1250



DS-100



DP-2



DP-1111

Comparison Tables

4 - 1 Needle Sizes

Metric Sizes	Lewis		Merrow	Singer	Union Special
50				5	
55			3/0	6	022
60	2		2/0	8	
65			0	9	025
70	2 ½	10	1	10	027
75				11	028
80	3	12	2	12	032
85				13	
90	3 ½	14	3	14	036
95				15	
100	4	16	4	16	040
105				17	
110	4 ½	18	5	18	044
120	5	19	6	19	048
125		20		20	049
130			7	21	
140	5 ½			22	054
150	6		8		060
160				23	
170			9		067
180	7			24	078

4 - 2 Needle Systems

Comparison of Needle Systems Class of Machines	Japanese Systems	Needle systems not prefixed by identification letters	Mauser Systems (M Y)
DC-1H, DCY-100 DCY-200, DCZ-200 DCZ-361, DCZ-500	D C x 1	621	M Y 1023
DCZ-361, DCZ-341 DCZ-920	D M x 13	1886 K K	
DCZ-400	U O x 154		
DCZ-420 DCZ-420W	U N x 154		
DCZ-220W DCZ-520W	D C x 3		
Z 2000 Z 3000	D C x 27		
DV-100 DW-100	D V x 1	759, 1628 3001	M Y 1001
DV-1000, DW-1000 DS-100		1280	M Y 1044
DP-2, DP-3 DP-1111, DP-1112	D P x 5 D P x 7	134, 797 1844	
DCZ-202 DCZ-222, DCZ-223	"	"	
DCY-108, DCY-109	T T x 81	75 x 1 S A	

Singer Systems (S Y)	old Singer Systems (X System)	Union Special Systems (U Y)	Rimoldi Systems (B) (R I M)	Needles to be used by YAMATO (when shipment)
S Y 1225	81 X 1			D C x 1
S Y 1246	82 X 13			D M x 13
		U Y 154 G A S		U Y 154 GAS
S Y 6431		U Y 154 G C S		U Y 154 GCS
S Y 8538				D C x 3
S Y 6120			B - 27	D C x 27
S Y 3510	62 X 21	U Y 121 G S		D V x 1
S Y 7292		U Y 128 G S U Y 128 G A S		U Y 128 GAS
S Y 6790	135 X 5 135 X 7			D P x 5
"	"			"
				TT x 81(DC x1)

4-3 Comparison tables

Gauge	Needle distances						
	Inch		mm	Gauge	Inch		mm
1	1/64	,0156	0,40	51	51/64	,7968	20,24
2	1/32	,0312	0,79	52	13/16	,8125	20,64
3	3/64	,0468	1,19	53	53/64	,828	21,03
4	1/16	,0625	1,59	54	27/32	,8437	21,43
5	5/64	,078	1,98	55	55/64	,859	21,83
6	3/32	,0937	2,38	56	7/8	,875	22,22
7	7/64	,109	2,77	57	57/64	,8906	22,62
8	1/8	,125	3,17	58	29/32	,906	23,02
9	9/64	,1406	3,57	59	59/64	,9218	23,41
10	5/32	,156	3,97	60	15/16	,9375	23,81
11	11/64	,1718	4,37	61	61/64	,953	24,21
12	3/16	,1875	4,76	62	31/32	,9687	24,61
13	13/64	,203	5,16	63	63/64	,984	25,00
14	7/32	,2187	5,56	64	1	1,00	25,40
15	15/64	,234	5,95	65	1 1/64	1,0156	25,79
16	1/4	,25	6,35	66	1 1/32	1,0312	26,18
17	17/64	,265	6,75	67	1 3/64	1,0468	26,58
18	9/32	,2812	7,14	68	1 1/16	1,0625	26,98
19	19/64	,2968	7,54	69	1 5/64	1,078	27,37
20	5/16	,3125	7,94	70	1 3/32	1,0937	27,77
21	21/64	,328	8,33	71	1 7/64	1,109	28,17
22	11/32	,3437	8,73	72	1 1/8	1,125	28,56
23	23/64	,359	9,13	73	1 9/64	1,1406	28,96
24	3/8	,375	9,52	74	1 5/32	1,156	29,36
25	25/64	,3906	9,92	75	1 11/64	1,1718	29,76
26	13/32	,406	10,32	76	1 3/16	1,1875	30,15
27	27/64	,4218	10,72	77	1 13/64	1,203	30,55
28	7/16	,4375	11,11	78	1 7/32	1,2187	30,95
29	29/64	,453	11,51	79	1 15/64	1,234	31,34
30	15/32	,4687	11,91	80	1 1/4	1,250	31,74
31	31/64	,484	12,3	81	1 17/64	1,265	32,14
32	1/2	,500	12,7	82	1 9/32	1,2812	32,53
33	33/64	,5156	13,1	83	1 19/64	1,2968	32,93
34	17/32	,531	13,49	84	1 5/16	1,3125	33,33
35	35/64	,5468	13,89	85	1 21/64	1,328	33,72
36	9/16	,5625	14,29	86	1 11/32	1,3437	34,12
37	37/64	,578	14,68	87	1 23/64	1,359	34,52
38	19/32	,5937	15,08	88	1 3/8	1,375	34,91
39	39/64	,609	15,48	89	1 25/64	1,3906	35,31
40	5/8	,625	15,87	90	1 13/32	1,406	35,71
41	41/64	,6406	16,27	91	1 27/64	1,4218	36,10
42	21/32	,656	16,67	92	1 7/16	1,4375	36,50
43	43/64	,6718	17,06	93	1 29/64	1,453	36,90
44	11/16	,6875	17,46	94	1 15/32	1,4687	37,29
45	45/64	,703	17,86	95	1 31/64	1,484	37,69
46	23/32	,7187	18,26	96	1 1/2	1,500	38,09
47	47/64	,734	18,65	97	1 33/64	1,5156	38,48
48	3/4	,75	19,05	98	1 17/32	1,531	38,88
49	49/64	,7656	19,45	99	1 35/64	1,5468	39,28
50	25/32	,781	19,84	100	1 9/16	1,5625	39,68

1 gauge = 1/64" = 0,3968 mm

Stitches per inch	
Stitch length, mm	Stitches per inch
12,7	2
8,46	3
6,35	4
5,08	5
4,23	6
3,62	7
3,17	8
2,82	9
2,54	10
2,30	11
2,11	12
1,95	13
1,81	14
1,69	15
1,58	16
1,49	17
1,41	18
1,33	19
1,27	20
1,20	21
1,15	22

Thread number systems			
Nm Meters of simple thread/ gramme	NeB English cotton	tex Grammes per 1000 m of simple thread	Td Titres in denier
10	6	100	900
12	7	84	750
14	8,27	72	643
15	9	68	600
16	9,5	64	563
18	10,64	56	500
20	12	50	450
25	15	40	360
30	18	34	300
35	21	28	257
36	22	28	250
40	24	25	225
45	27	22	200
50	30	20	180
55	33	18	164
60	36	17	150
65	38	15	139
70	41	14	129
75	44	13	120
80	47	12,5	112
85	50	12	106
90	53	11	100
95	56	10,5	94
100	60	10	90
110	65	9	82
120	70	8,4	75
130	76	7,7	70
140	83	7,2	64
150	89	6,7	60
160	95	6,3	56

Compiled according to DIN 60905. For the practical use several values have been rounded up or off. This table enables to compare simple threads or multicord threads, e. g.

Nm 100/3 = NeB 60/3 = 10 tex × 3
 Nm 10/3 = NeB 6/3 = NeL 16,5/3
 = Titer 900 den × 3
 = 100 tex × 3

MEMO



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