

INTRODUCTION

Thank you for your kind patronage to REVO By purchasing REVO DCZ-200-GS High Speed Self Lubricated Overlock Sewing Machine.

We are sure by installation of this machine in your workshop, you can get relief from your repeated troubles caused by the out-dated models of Overlock machines being used by you.

Further more it will make wonderful contribution, certainly to the productivity when the machine is operated appropriately.

To acquainte the users with proper operation adjustment and maintenance about this machine we are providing this Instruction-Manual.

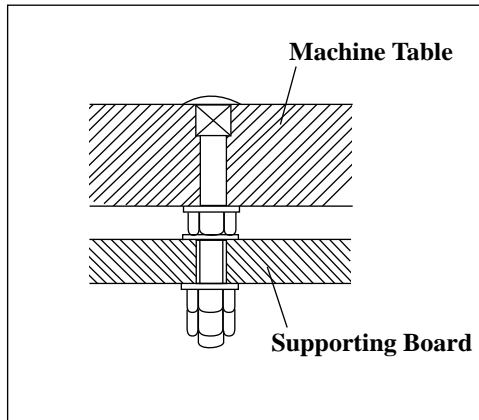
Heartily wishing you successful service by REVO DCZ.

SPECIFICATION

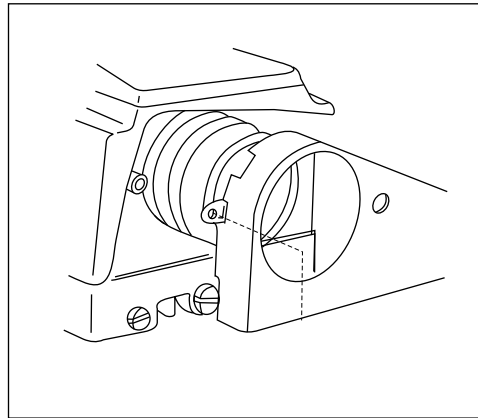
Name	:	High Speed Overlocked Stitch Sewing Machine
Dimensions	:	350 x 225 x 285 mm.
Weight	:	21 Kgs
Construction	:	Dust-Proof, Oil-tight, Enclosed completely.
Stitch type	:	Overedge seaming
Sewing Speed	:	upto 6,500 s.p.m.
Stitches per inch	:	6-20 stitches per inch, 7- 23.5 stitches per 30mm
Use	:	Overedge Seaming, Blind Hemming and other uses on general or knitted materials.
Width of Overedge Seam	:	3 - 4 mm, Standard and 2 - 8 mm is available by exchange of necessary Gauge Parts.
Stroke of Needle	:	25 mm.
Needles	:	DC x 1 size 9 to 18
Adjusting of Feeding	:	Exchange of Eccentrics.
Knives for Fabric Cutting	:	Lower Knife - Made of Special Steel Flat type. Upper Knife - Made of Super Hard Alloy.
Lubrication	:	Force Feeding by gear pump and pressure regulating valve, and Splashed Oil is also utilized.
Lubricant	:	Use H.P.'s TURBINOL-46, CASTROL's PERFECTO T-46 or any equipment Lubricant. Keep Oil upto Maximum Level marked in the oil Indicator. Change the entire Oil after Three Months or 1000 working hours which may be achieved earlier.
Capacity of Reservoir	:	ONE LITRE

INSTALLATION

Fix Supporting Board to the Table by Bolts and Nuts, on which the Rubber Cushion Holder Plate shall be fixed by Wood Screws. \$ Rubber Cushions must be put exactly into each hollow on the plate when setting machine.

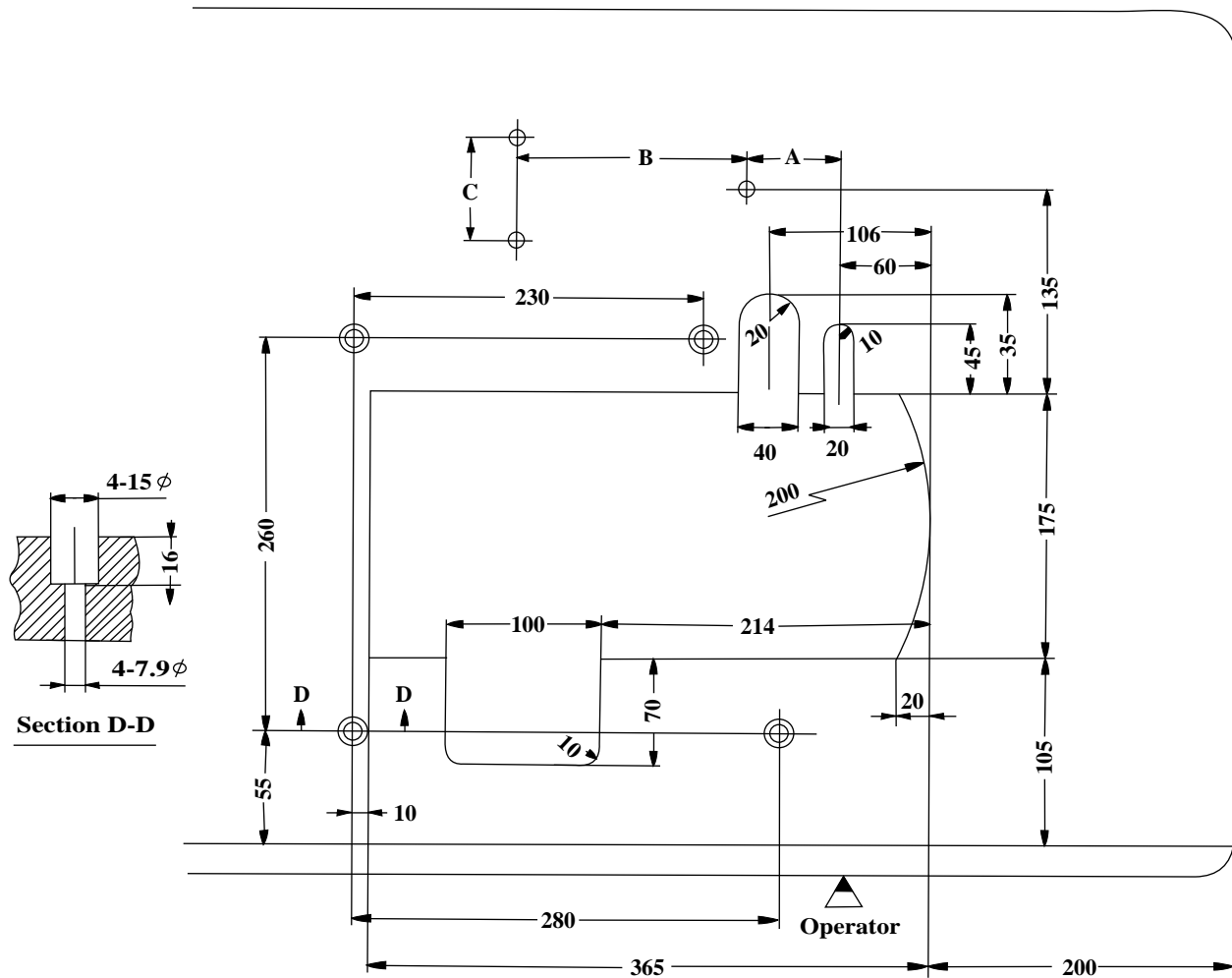


-- Fixing --



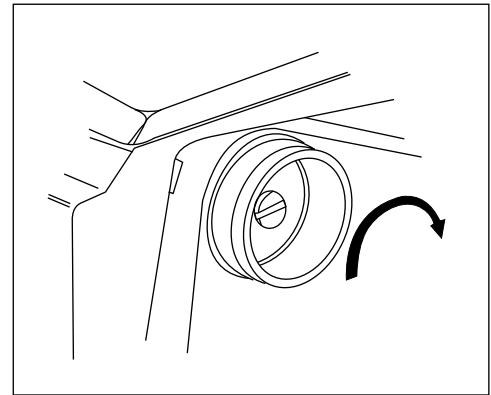
-- Fitting of Belt Cover --

-- Dimensions for Semi-submerged Installation --



SEWING SPEED AND TURNING DIRECTION OF PULLEY

However the available highest sewing speed is 6,500 s.p.m., from the view point of durability of machines, it is preferable to operate at the economical speed of 6,000 s.p.m. after the initial operation at 5,000 s.p.m. in 200 hours approximately -- one month.



LUBRICATION

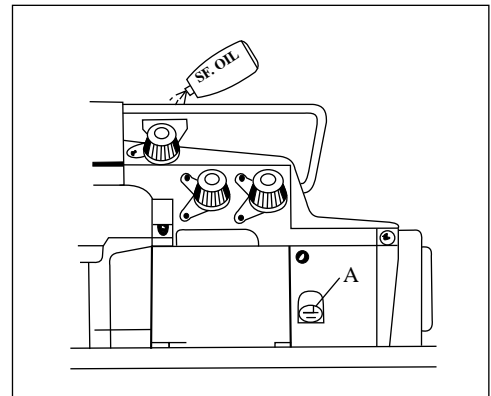
Lubricant.

CASTROL'S PERFELTD T-46 is recommendable.

Feeding of Oil

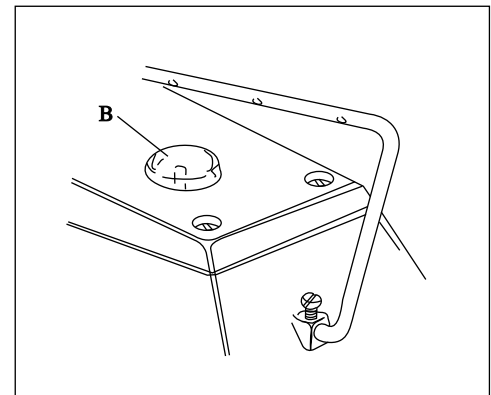
At the time of Despatch, the oil will have been drained completely from the machine, So, it should be filled with Clean Oil to the Upper line of Oil Gauge (A) removing Screw at the mark "OIL"

Note : At the beginning of operation of brand-new machines or the re-use of machines rested long time, Clean Oil must be fed around Needle Guard and Upper Loper Bar additionally.



Oil Gauge and Confirmation of Oil Flow

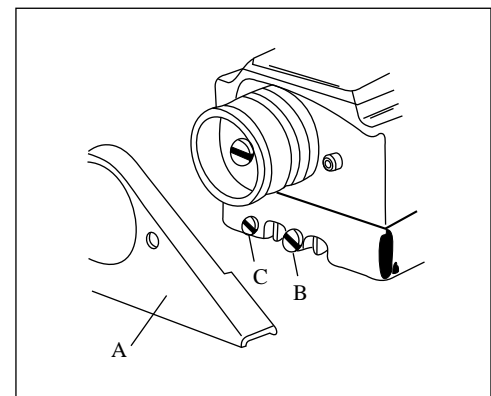
Check Oil Guard everyday before operation replenish clean oil if the surface of oil is below the under line. At the beginning of operation, confirm that the oil is flowing smoothly out of Oil Sight Nozzle (B) inside machine.



Exchange of Oil

To keep the machine's life long time, oil for new machine must be exchanged completely with new one after the initial operation of about 250 hours, And, after the above, it must be exchanged in 2- 3 times every year, Exchange of Oil shall be made according to the following order.

- (1) Remove V-Belt from Motor Pulley and take out machine-head to top face of the Table.
- (2) Remove Belt Cover (A)
- (3) Drain the Oil from machine loosening Drain Hole Screw (B) and (C)



Drain Hole Screw for Inner (B) ... for draining Oil inside Frame.

Drain Hole Screw for Outer (C) for draining oil collected in the Opening space between between frame and body of the machine.

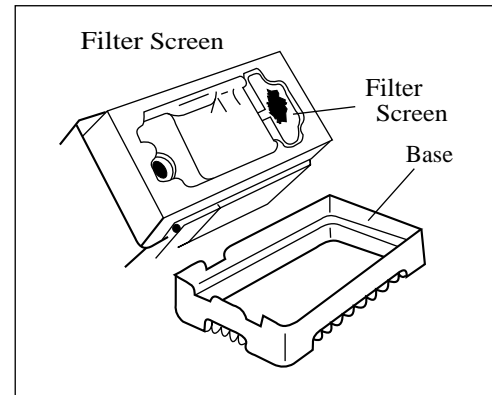
- (4) Screw (B) and (C) must be re-tightened after draining.
- (5) Feeding of new Oil.....

Cleaning of Filter Screens

Everytime when the oil is exchanged, the inside of Base and Filter Screens should be cleaned removing the Base.

To remove the Base, take out 4 Pcs. of its Screws after draining Oil and turning machine head over.

After cleaning, make Base and its Gasket be as they were before and screws shall be tightened exactly.

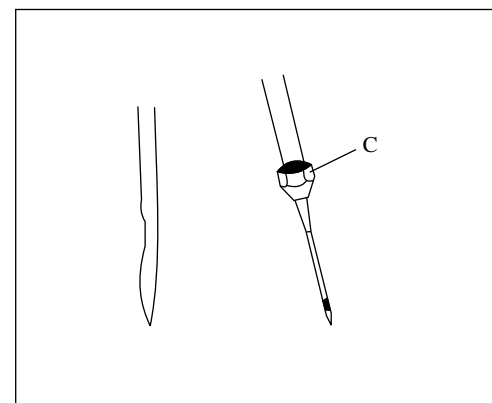
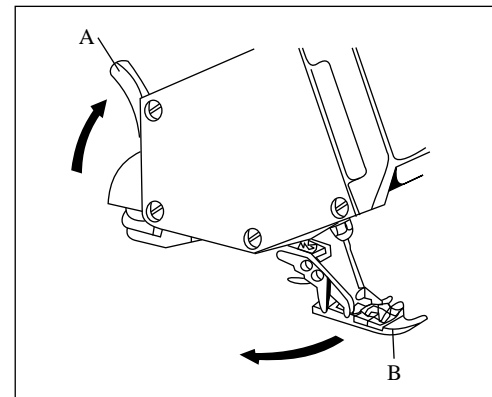


FITTING OF NEEDLE

Please remember that groove of needle should face always to the back side of machines.

FITTING ORDER :

- (1) Turn Pulley until the needle comes to its highest position.
- (2) Raise Presser foot Release Lever (A) to the direction showed by arrow, and swing Presser Foot (B) out sideways.
- (3) Insert Needle into Needle Bar as far as it will go loosening Needle Clamping Nut (C), then tighten the Nut again. At this moment the groove of needle should face to the back side of machine as stated above.



THREADING

Threading must be made correctly according to figures showed hereinafter.

In case of 1 Needle, 3 thread:

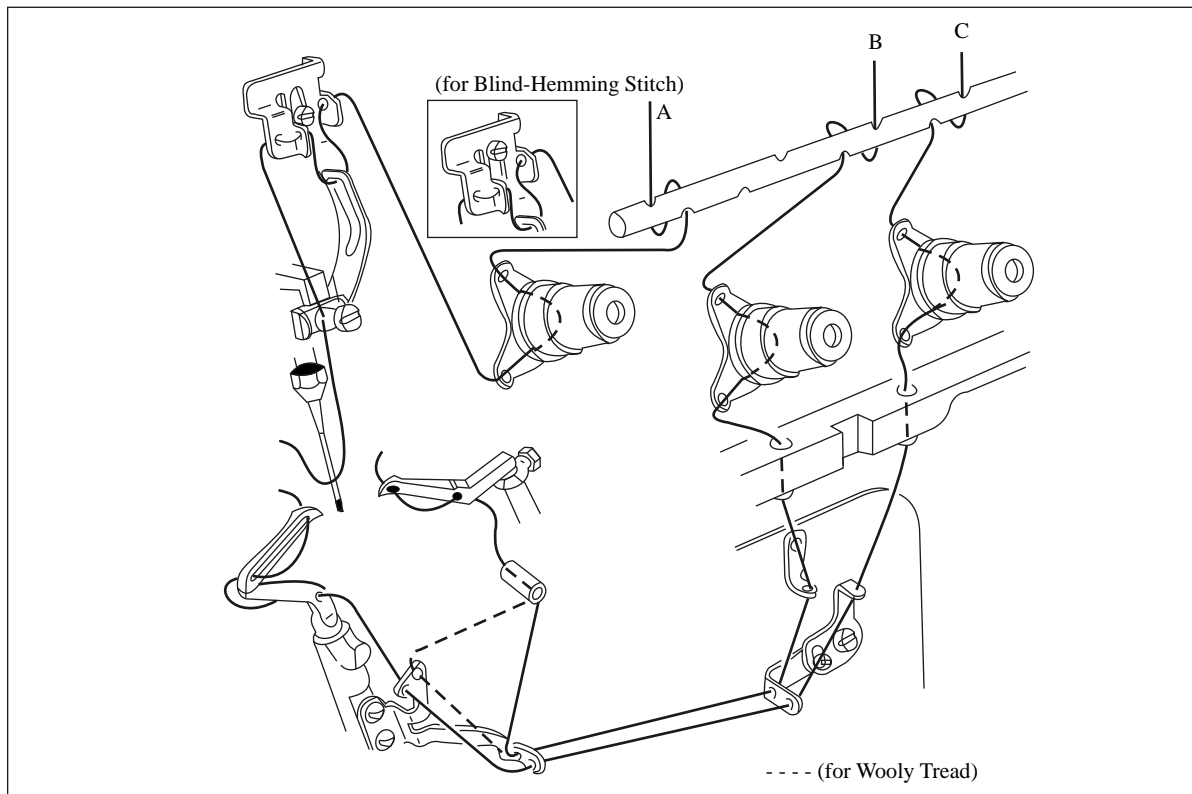
- A Needle thread.
- B Upper Loper thread.
- C Lower Loper thread.

Position of Needle Thread Eyelet must be changed in case of blind hemming.

Refer to "Needle thread Tension" on page 9 please.

In case of 1 Needle 2 thread with spreader

- A Needle Thread
- B Lower Loper thread.



THREAD TENSION

Tension of thread should be adjusted as loosely as possible unless the good balance is lost in the seaming.

Stronger tension beyond necessity may cause the thread-breakage or skip-stitching.

Note: Refer to items regarding to the thread tension in "Proper Adjustments" on page 9 please.

Pressure of Presser Foot

The pressure of Presser Foot should be adjusted most weakly so far as presser Foot can act properly.

However the uniformity in the feeding and seaming will be lacked if the pressure is weak excessively.

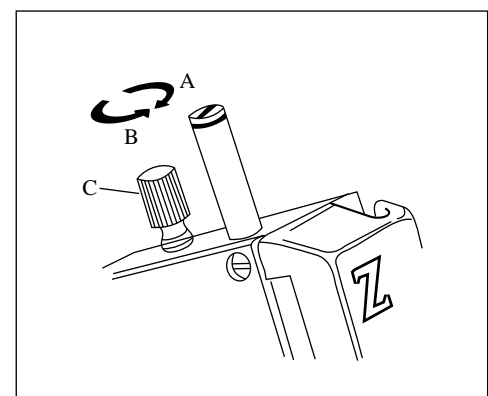
The pressure shall be strengthened when turning Adjusting Screw (C) to the direction (A) and weakened turning to (B) to the contrary.

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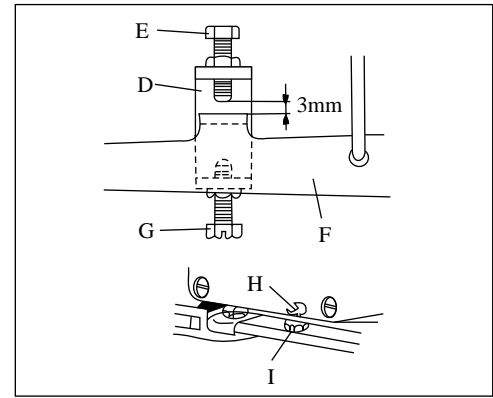
The pressure shall be strengthened when turning Adjusting Screw (C) to the direction (A) and weakened turning to (B) to the contrary.



ADJUSTING OF FOOT LIFTER LEVER

Adjust Pressure Foot to Start to lift from the top face of stitch Plate turning Adjusting Screw (E) when the Foot Lifter Lever (F) is lowered in 3 mm from the end of Adjusting Screw (E) for Foot Lifter Lever Stopper (D). When Presser Foot is raised to its highest position, adjust the bottom face of it to be 4mm. from top face of Stitch Plate.

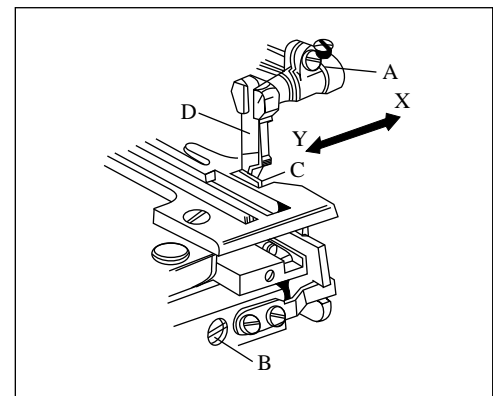
At this moment Loosen Nut (I) and turn Stop Screw for Presser Foot (H) then adjust the Screw to touch with Arm of the machine.



ADJUSTING OF WIDTH OF OVEREDGE SEAM

(1) To widen the width;

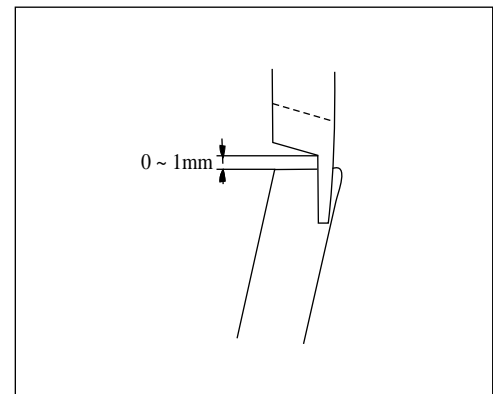
Loosen Screw (A) for upper Knife Holder and move the Holder to the Direction (X) According to the necessity and tighten Screw (A) again. Subsequently loosen Screw (B) for Lower Knife Holder. Then Lower Knife Holder will move to the direction (X) by pressure of the spring inside, consequently Lower Knife will adhere closely to Upper Knife (D) with suitable strength. And, tighten Screw (B) again.]



(2) To narrow the width

Loosen Screw (B) for Lower Knife Holder and Move the Holder to the direction (Y) according to the necessity and tighten Screw (B) softly. Subsequently, loosen Screw (B) for Lower Knife again and made Lower Knife (C) adhere closely to Upper Knife (D) by the pressure of spring. Then, retighten Screw (B).

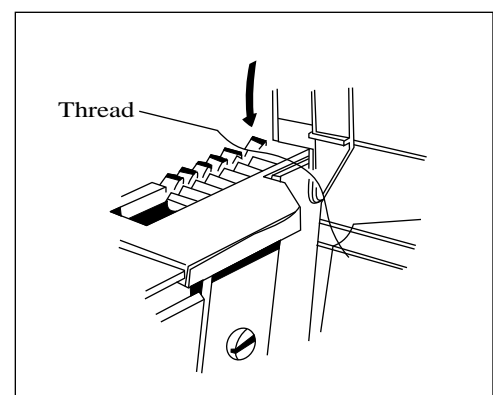
Note : For adjusting width of the overedge seam, make the blade of Upper Knife be higher than if of Lower Knife in 0 - 1 mm.



(3) Sharpness of Knives

Check the sharpness of knives turning Pulley manually with a thread put between Upper and Lower Knives, after adjusting the seam of overedge seam.

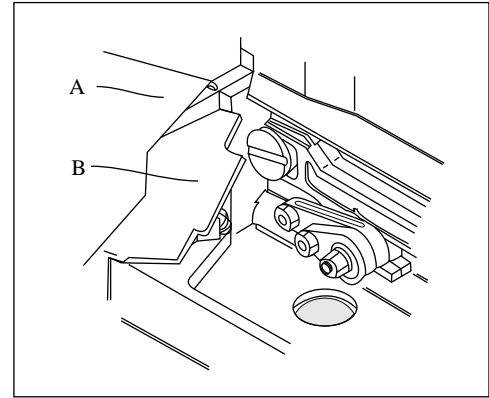
Note : When it may be necessary to sharpen knives please refer to "Sharpening of knives for Fabric Cutting " on Page 14.



ADJUSTING OF STITCH LENGTH

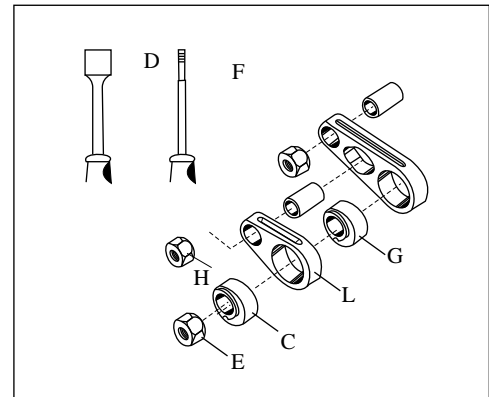
By the exchange of Feed Driving Eccentrics, stitch length is adjusted, Each Eccentric has a stamp showing Stitch numbers per inch. (25.4 mm) However, please pay your attention to the fact that there will be difference in some measure owing to kind or thickness of fabrics and ratio of differential feeding.

The illustration shows the view of machine set with Feed driving Eccentrics.



The Stitch Length shall be changed opening Cloth Plate (Upper) (A) and Feed Mechanism Cover (B).

The illustration shows the condition removed Eccentrics and also Socket Wrench and Eccentric Extractor. To Exchange Differential Feed Driving Eccentric only.



Remove Nut "E" by Socket Wrench (D)

Remove the Eccentric by Extractor (F) Screwed into its hole.

After, put Eccentric at need, and tighten Nut "E" As before.

Main Feed Driving Eccentric (G) can be exchanged by the same manner stated as above, after removal of Nut (E) and (H) Differential Feed Bar Driving Connector (L)

In case of exchange of Eccentrics, from which dust and rubbish should be removed washing, by oil. And, assemble them making their stepped part face outside.

When Eccentric is smaller number than the one of "G" side is used at (C) side, the seam to be obtained will have a touch of loose.

Kind of Feed Driving Eccentrics

No. (Stamped)	Stitches per inch	Stitches per 30 mm.	Parts No.
Y 5	5	6	3 2 8 2 1
Y 6	6	7	3 2 8 2 2
Y 7	7	8	3 2 8 2 5
Y 8	8	9	3 2 8 2 3
Y 9	9	10.5	3 2 8 2 4
Y 1010	12	3	2 8 2 4
Y 11	11	13	3 2 8 2 4
Y 12	12	14	3 2 8 2 4
Y 13	13	15	3 2 8 2 4
Y 14	14	16.5	3 2 8 2 4
Y 15	15	18	3 2 8 2 4
Y 16	16	19	3 2 8 2 4
Y 17	17	20	3 2 8 2 4
Y 18	18	21	3 2 8 2 4
Y 19	19	22	3 2 8 2 4
Y 20	20	23.5	3 2 8 2 4
Y 22	22	26	3 2 8 2 4
Y 24	24	28	3 2 8 2 4
Y 26	26	31	3 2 8 2 4
Y 28	28	33	3 2 8 2 4
Y 30	30	35.5	3 2 8 2 4
Y 40	40	47	3 2 8 2 4
Y 50	50	59	3 2 8 2 4
Y 70	70	83	3 2 8 2 4
Y 100	100	118	3 2 8 2 4

ADJUSTING OF DIFFERENTIAL FEEDING

On machines with mark "D" on model plates, adjusting of normal differential feeding (Shrink Sewing) can be made by exchange and combination of eccentrics.

At the sewing to increase the effectiveness of differential feeding by exchange of eccentrics turn Pulley manually and confirm that differential Feed Dog will not touch with Main Feeding Dog and Stitch Plate before the operation.

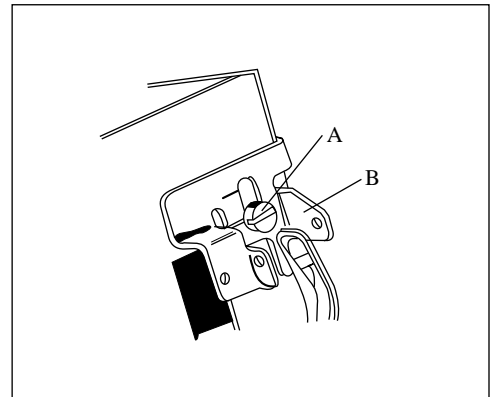
PROPER ADJUSTMENT

(1) TENSION OF NEEDLE THREAD

Loosening Screw (A) and lift up the Eyelet (B) for tightening of needle thread, and lower the Eyelet to loosen to the contrary.

In general overseaming, make underline of Eyelet (B) fit screw (A) as the standard manner.

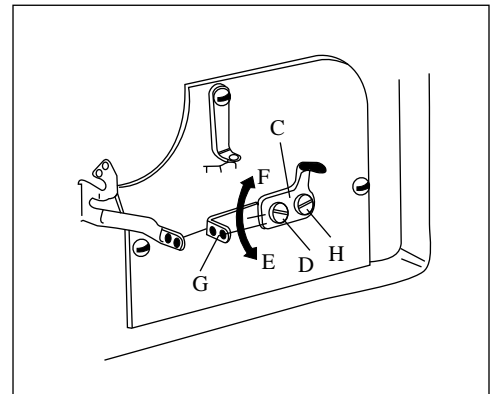
In blind hemming, two threads with spreader, make upper-line of Eyelet fit Screw (A)



(2) TENSION OF LOWER LOOPER THREAD

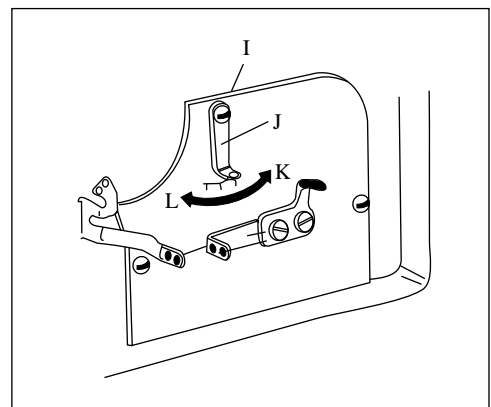
Move Eyelet (C) to the direction (F) when it needs to tighten this thread only, and to loosen it move Eyelet to the direction (E) loosening Screw (D). On the other hand, when Looper Thread Pull-off (G) is moved to direction (F) both of upper and lower looper threads are tightened, and to direction ((E) to be loosened.

Such being the case, adjusting should be made in consideration of the goods balance of thread tension.



(3) TENSION OF UPPER LOOPER THREAD

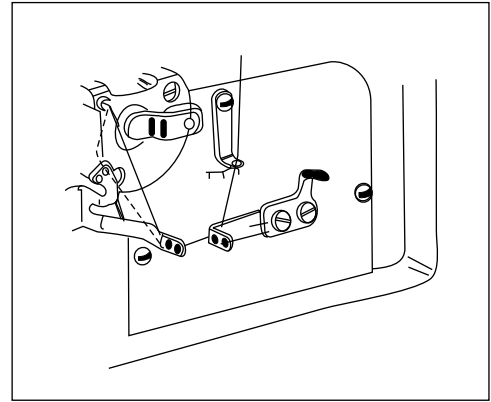
When it needs to tighten Upper Looper thread only, move upper Looper Thread Eyelet (J) to the direction (K). To the contrary, for loosening of the said thread loosen Screw (I) and move Eyelet (J) to the direction (L)



When wooly thread is used:-

In case such thread which has a plenty elasticity is used, threading of Upper Loooper Thread should be changed according to dotted line on the illustration (Right)

Note : When it is returned to of ordinary thread after the sewing of wooly thread, donot, forget that the threading must be changed as it was.

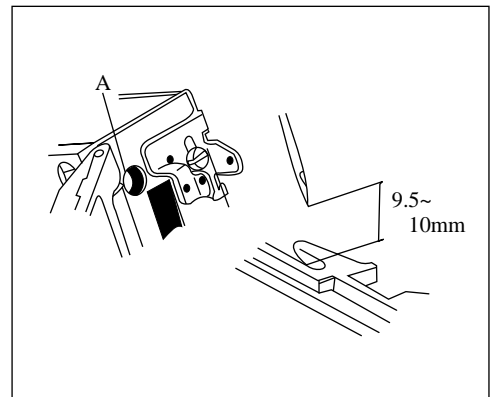


(4) HEIGHT OF NEEDLE

When the Needle reaches to its highest position, there should be the distance of 9.5 to 10.0mm between needle point and top face of Stitch plate.

(But 11.5 - 12.0mm for DCZ - 202)

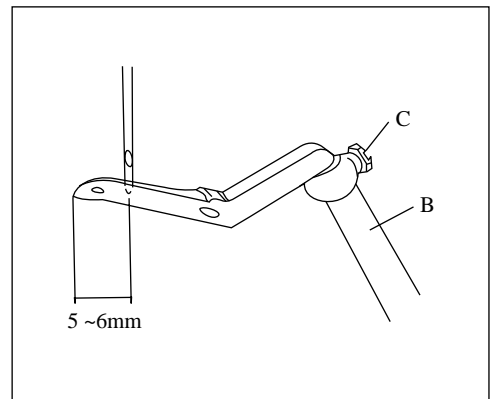
To adjust the above distance turn the Pulley and make needle be at its highest position and then loosen screw (A) for the Needle Bar Connection Bracket which can be seen through Needle Bar Connecting Link Cover.



(4) TIMING BETWEEN NEEDLE AND UPPER LOOPER

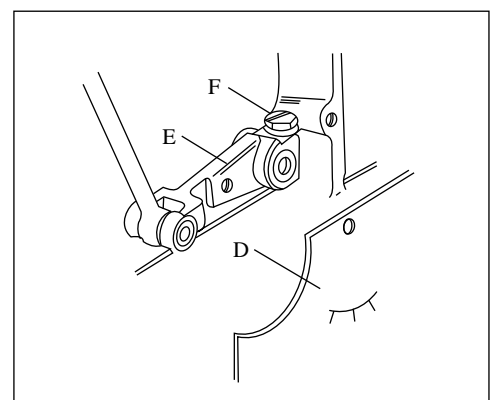
Insert the Upper Loooper to its Loooper Bar(B) at the deepest, then tighten Screw (C) for the time being.

When needle begins to descend and pass in back of Upper Loooper, make Upper Loooper be close to Needle but without touch. And tighten Screw (C). And, when Upper looper reaches to the left end of its movement, the distance between Center of Needle and the point of the Loooper must be 5 - 6mm.



To re-adjust the distance stated above, open Front Cover and remove the Loooper thread Eyelet Supporter (D) and then loosen Screw (F) for Upper Loooper Bar Driving Arm (E)

Note : At the tightening of Screw (F), care must be taken to make Upper Loooper Bar Driving Arm (E) not to move in front or the Rear.



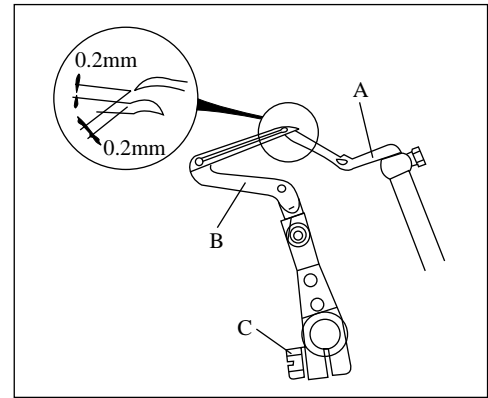
(6) TIMING BETWEEN UPPER AND LOWER LOOPERS

At the rendezvous of Upper and Lower Loopers (A,B) the point Upper Loper passes through the depression just under swelling part on back face of the Lower Loper.

It should be adjusted to be less than 0.2mm for allowance of Upper Loper against the backface of Lower Loper, and also against its swelling part.

To obtain this allowance, adjust the positioning of Lower Loper in front-rear loosening its Screw (C)

Note : After the adjusting, Screw (C) shall be tightened. But care must be given to its tightness not to be too strong because the adjusting of Lower Loper in right-left is also necessary.

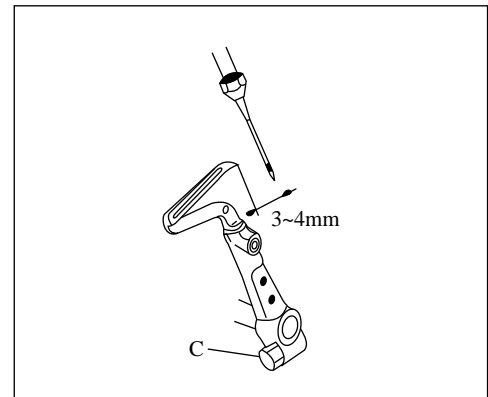


(7) TIMING BETWEEN NEEDLE AND LOWER LOOPER

Distance between point of Lower Loper and Center of Needle must be 3-4mm. when Loper comes to the left end of its movement.

To obtain the distance mentioned above, Screw (C) for Lower Loper Holder will be loosened to adjust lower Loper in right and left.

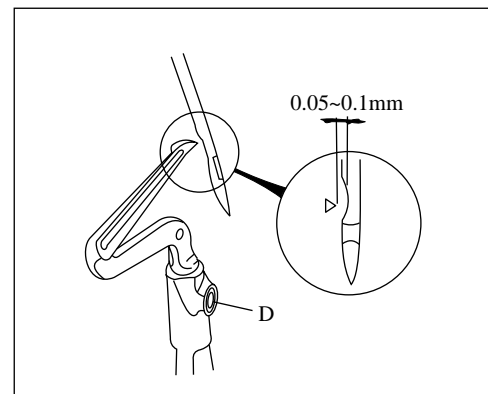
As for machines of Heavy Duty, the above-mentioned distance shall be 6.5/7.5mm.



(8) POSITIONING OF NEEDLE AND LOWER LOOPER IN FRONT-REAR RELATION

As Closely as possible but without touch, the point of Lower Loper must pass behind of the Needle which is going up, and at this moment the distance between them shall be 0.05-0.1 mm in general case.

To make this adjusting, Screw (D) will be loosened.

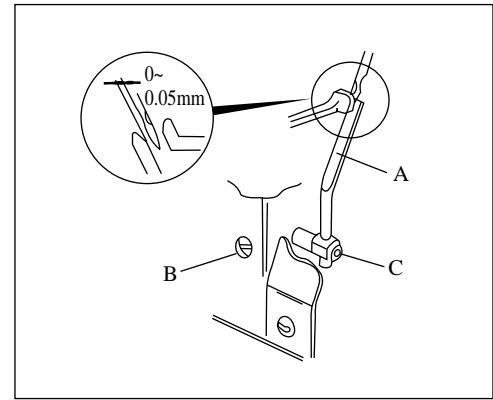


(9) NEEDLE AND NEEDLE GUARDS

(a) Needle and Needle Guard (Rear) :

When the Needle which is ascending meets Lower Loper, adjust the allowance with Needle Guard (Rear) (A) to be 0-0.5 mm

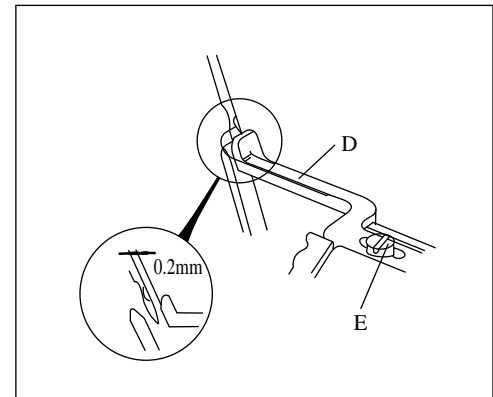
The Adjusting of Needles Guard (Rear) should be made by Screw (B) for its front-Rear and right-left positioning and by loosening of Screw (C) for High-low positioning.



(b) Needle and Needle Guard (Front) :

The allowance between Needle and Needle Guard (front) (D) shall be adjusted according to the thickness of thread in use, which is standard adjusting.

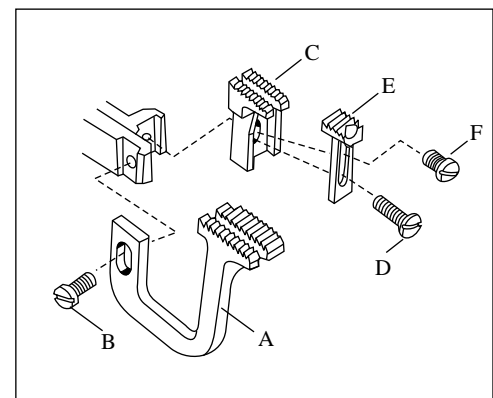
In general, however, the allowance will be adjusted in 0.2 mm. Loosening Screw (C).



(10) SETTING AND REMOVAL OF FEED DOGS

By Screw (B) setting and removal of Differential Feed Dog (A) shall be made and by Screw (D) for main Feed Dog (C)

Auxiliary Feed Dog (E) will be removed loosening Screw (D) and (F) because it is used fitting to Main Feed Dog (C).



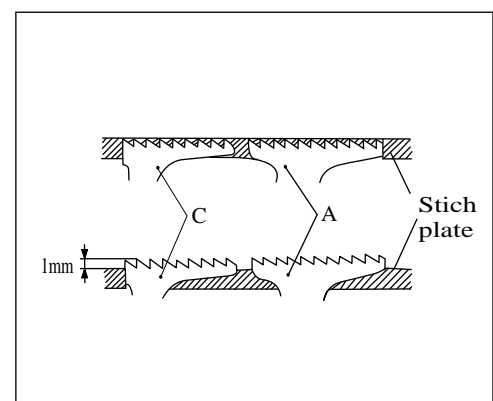
(11) INCLINATION AND HEIGHT OF FEED DOGS

Both top face of Feed Dog (A) and (C) must be at the same height, and run parallel with the surface of Stich Plate. Which is the standard condition of Inclination of Feed Dogs.

When Feed Dogs are at their highest position adjust the last second edge of Main Feed Dog (C) to be at 1mm. approximately higher than the top face of Stich Plate.

This adjusting shall be made loosening Screws (B,D)

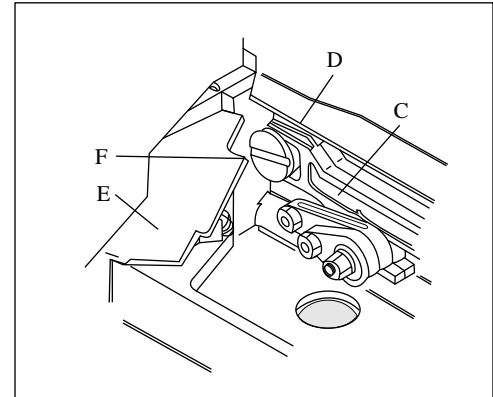
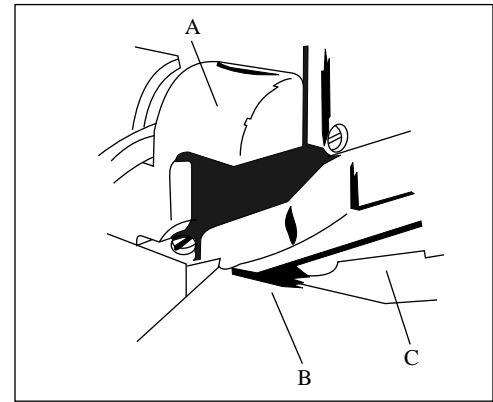
Auxiliary Feed Dog (E) must be fitted at 1-1.5mm lower than Main Feed Dog (C)



(12) PARALLELISM OF FEED DOG AND STITCH PLATE

When it needs to adjust the Parallelism of Feed Dogs and stitch Plate according to conditions of the sewing, its adjusting shall be made as follows :

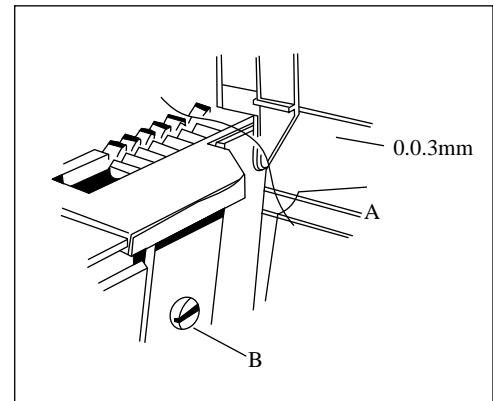
- 1) Remove Rear Cover (A)
- 2) Remove Cloth Plate Upper (B)
- 3) Remove Feed Mechanism Cover (C)
- 4) By the hexagonal Wrench Key (Size - 1/8") loosen Screw (D) and turn Feed Adjusting Pin (F) by the Screw Driver (E) and adjust the parallelism.
- 5) After adjusting, tighten Screw (D) taking care to be no allowance between Feed Adjusting Pin (F) and Feed Bar (G)
- 6) Assemble in order of (C), (B) and (A) as they were before.



(13) ADJUSTING OF KNIVES FOR FABRIC CUTTING

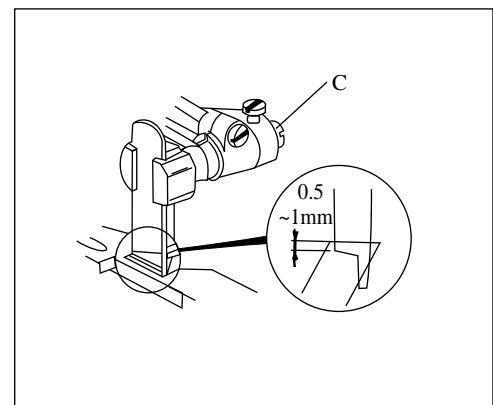
Height of Lower Knife;

Blade (A) of this knife be even with the top face of Stitching Plate or a little lower (0-0.3mm) than the Plate.



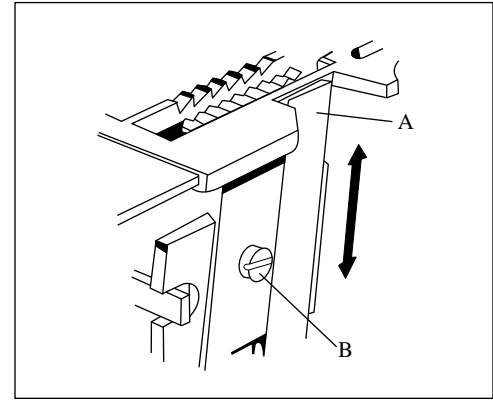
Height of Upper Knife;

Loosening Screw (C) when this knife reaches to the bottom of its motion, make the engagement with Lower Knife be 0.5-1.0mm



(14) EXCHANGE OF LOWER KNIFE

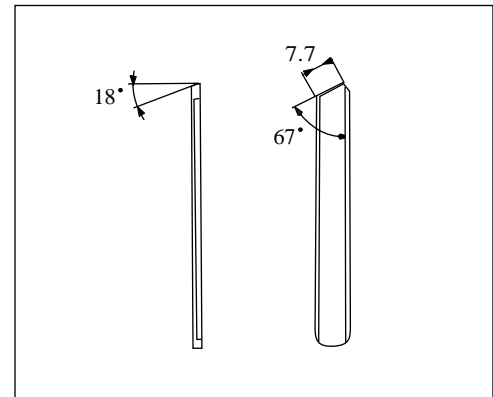
Lower Knife can be removed pulling it off downwards after loosening of Screw (B)
To fit new Lower Knife or re-sharpened one, insert its blade from the underside and tighten screw (B)



(15) SHARPENING OF KNIVES

Upper Knife is needed to be re-sharpened about one year, because this knife is made of Special Super Steel Alloy.

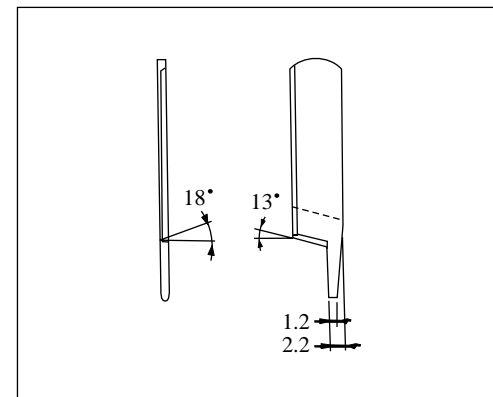
If sharpness of the cutting becomes blunt during the above period, resharpen Lower Knife referring to figure to the left side.



Due to aforementioned reason, it is impossible to re-sharpen Upper Knife by the ordinary Grinder, therefore, provisional one must be readied always.

When re-sharpening of Upper Knife becomes necessary, please contact with us or dealer who sold the machine to you.

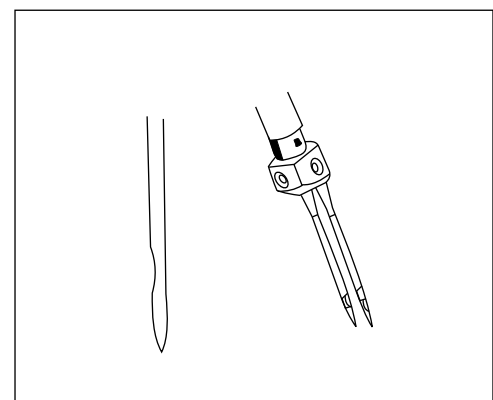
The figure shows (Angle) of Upper Knife.



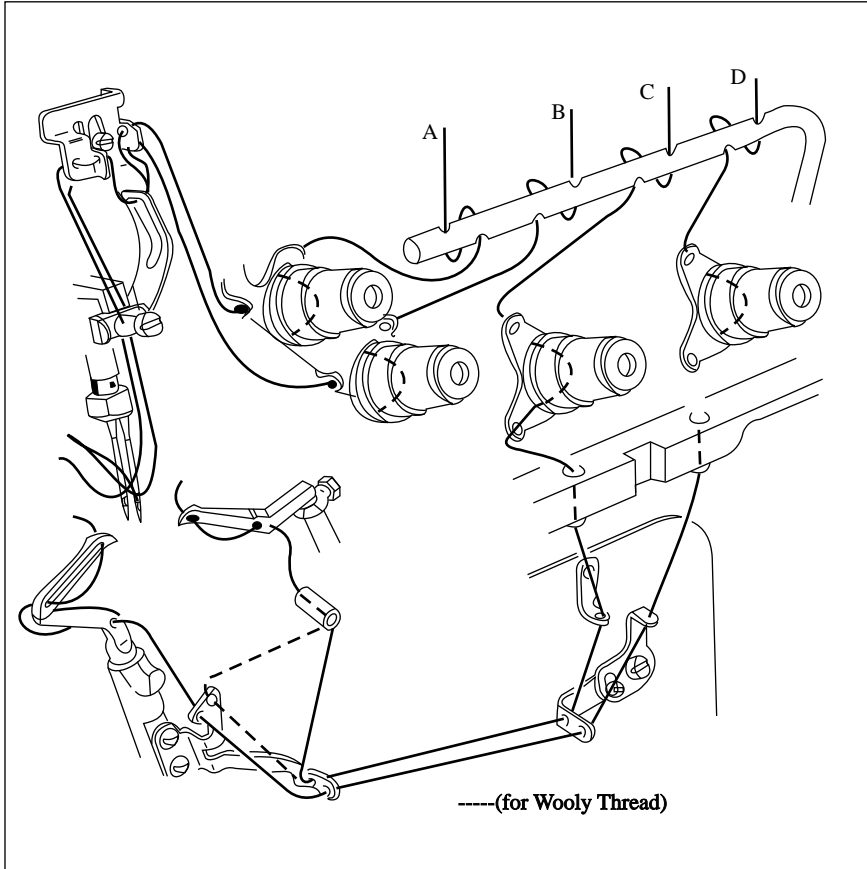
(16) ADJUSTING OF 2 NEEDLE 4 THREAD, OVERLOCKED STITCH MACHINES

(16-1) FITTING OF NEEDLES

Both of two needles should be set correctly facing their scarfs towards the back side of machines. Needles to be used must be those of same kind. (System Dc x 1)



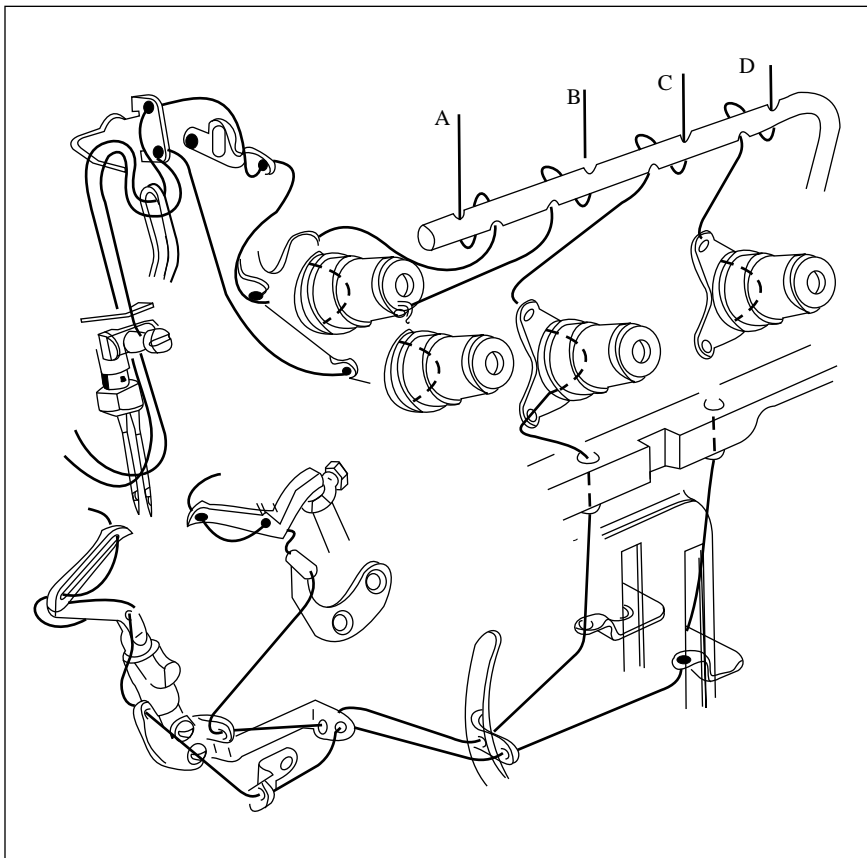
(16-2) THREADING
 (Machines for Light Duties)



It should be made correctly according to the figure.

- A Needle Thread (Left Needle)
- B Needle Thread (Right Thread)
- C Upper Loper Thread
- D Lower Loper Thread.

(Machines for Heavy Duties)



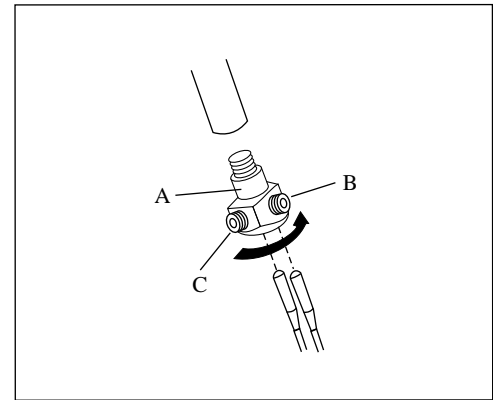
- A Needle Thread (Left Needle)
- B Needle Thread (Right Thread)
- C Upper Loper Thread
- D Lower Loper Thread.

(16-3) EXCHANGE OF NEEDLE CLAMP

To Exchange Needle Clamp (... in cases of removal of Needle Bar or Exchange of Needle distance ...) Loosen Screws (B and C) and Pull Needles off, and then turn Needle Clamp (A) anti-clockwise. Tighten Needle Clamp steadily without any looseness to set it.

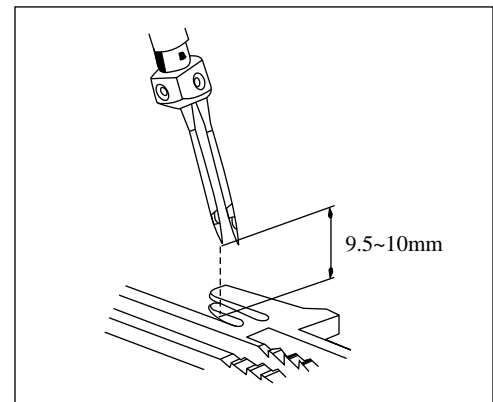
Adjusting of Needle and Loper shall be made according to following order as "Standard Manner"

- 1) Height of Needle
- 2) Needle Dropping.
- 3) Needle and Upper Loper.
- 4) Upper Loper and Lower Loper
- 5) Needle and Lower Loper.



(16-4) HEIGHT OF NEEDLES

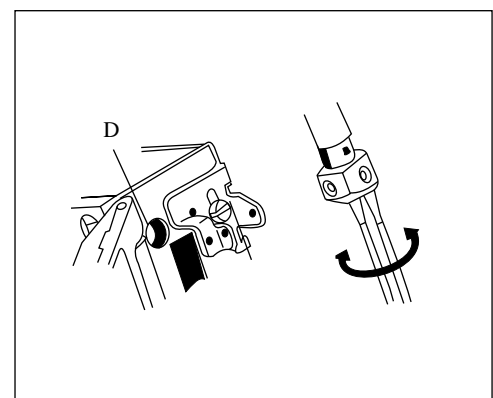
When both Needles reach to their highest position, the distance between the left Needle Point and the top face Stitch Plate shall be 9.5 - 10mm.



(16-5) ADJUSTING OF NEEDLE DROPPING POINT

Set Lower Loper and Stop it temporarily.

And, loosen Screw, (D) for Needle Bar Connecting Bracket and decide dropping points of Needles making each allowance between their back faces and Lower Loper point be just the same.



(16-6) TIMING BETWEEN NEEDLE AND UPPER LOOPER

- (a) In case of 2 needle machine but the Loper thread is caught by both needle.

Insert Upper Loper to Loper Bar (A) at the deepest, and tighten screw (B) temporarily,

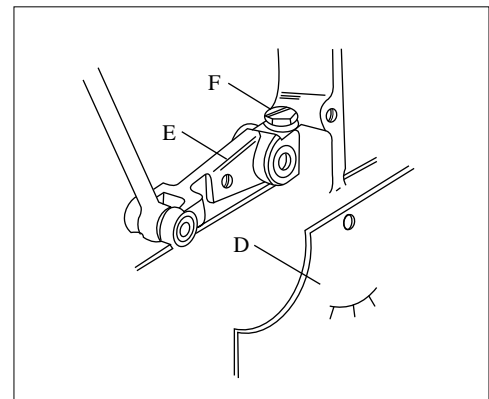
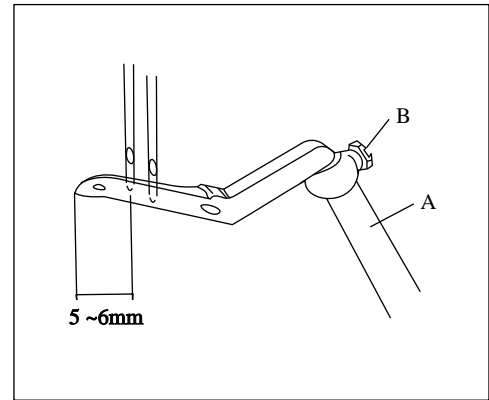
When Needles descending, pass through back side of the Loper, tighten the Loper closely to the right Needle by Screw (B) but without touch.

Distance between the center of left Needle and point of Upper Loper must be 5 - 6 mm. when the Loper reaches to the left end of its movement.

To adjust the above distance :-

Open Front Cover and remove Loper Thread eyelet Supporter (D)

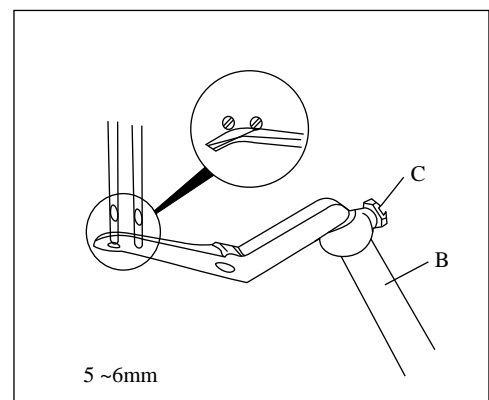
Loosen Screw (F) for Upper Loper Bar Driving Arm (E) by the Wrench of size 5/16.



- (b) In case of 2 Needle machines but the Loper, thread is caught only by the right needle.

Fitting manner of Upper Loper and its relation to Needle are not different from (a)

But, When Upper Loper comes to the left, make thread eye of the looper point be at the center between two needles because the looper thread is caught only by the right one among two needles.



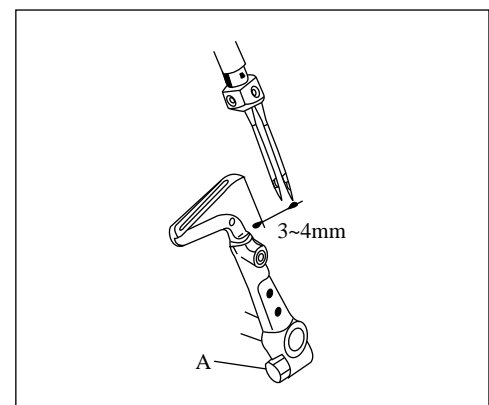
(16-7) TIMING BETWEEN UPPER AND LOWER LOOPERS

Refer to explanation of the same title on page 11.

(16-8) TIMING BETWEEN NEEDLE AND LOWER LOOPERS

Distance between centre of Needle and the point of Lower Loper must be 3 - 4 mm. when the Loper comes to the left end of its movement.

To obtain the distance mentioned above, screw (A) for Lower Loper Holder will be loosened to adjust the Loper in right and the left.



(17) USE OF GUIDE AND OTHER ATTACHMENTS:

BLIND HEMMING MACHINE (DCZ - 200)

Blind Hemming Guide is assembled on DCZ - 200 machines as the "Standard Equipment".

Tightening Screw (B), Guide shall be fitted to Stitch Plate Supporter just underneath of Cloth Plate (Upper) (A)

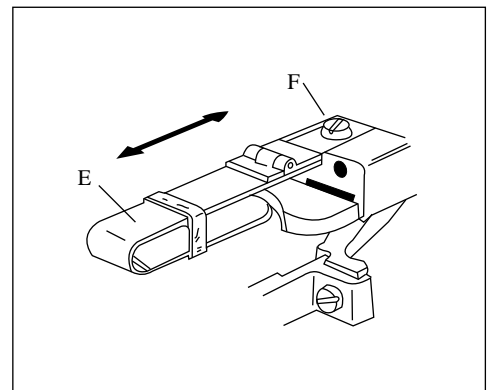
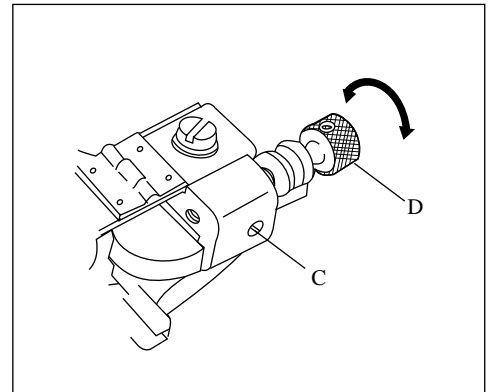
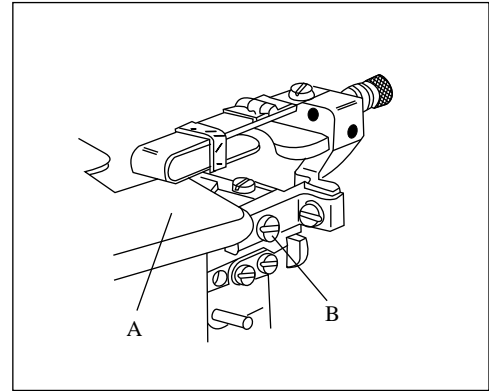
In the blind hemming, depth of seaming line can be adjusted turning Adjusting Screw (D) after loosening of Stopper Screw (C).

Turning the Adjusting Screw clockwise. Guide Holder will come up to the left and depth of the seaming line becomes smaller. To the contrary, turning it anti-clockwise the depth shall be bigger. Therefore, the adjusting must be made according to nature of materials in use. Tighten Stopper Screw (C) after the adjusting.

To adjust width of the blind hemming, move the guide (viny1 made) of Hemming Guide (E) in right-left loosening the Screw (F)

It is preferable that the allowance between Hemming Guide (E) and Guide Holder will have the space just for a sheet of fabric.

And, make the point of Hemming Guide (E) come to the halfway on thickness of the Guide Holder.



(18) How to treat? ... on Sewing Troubles!

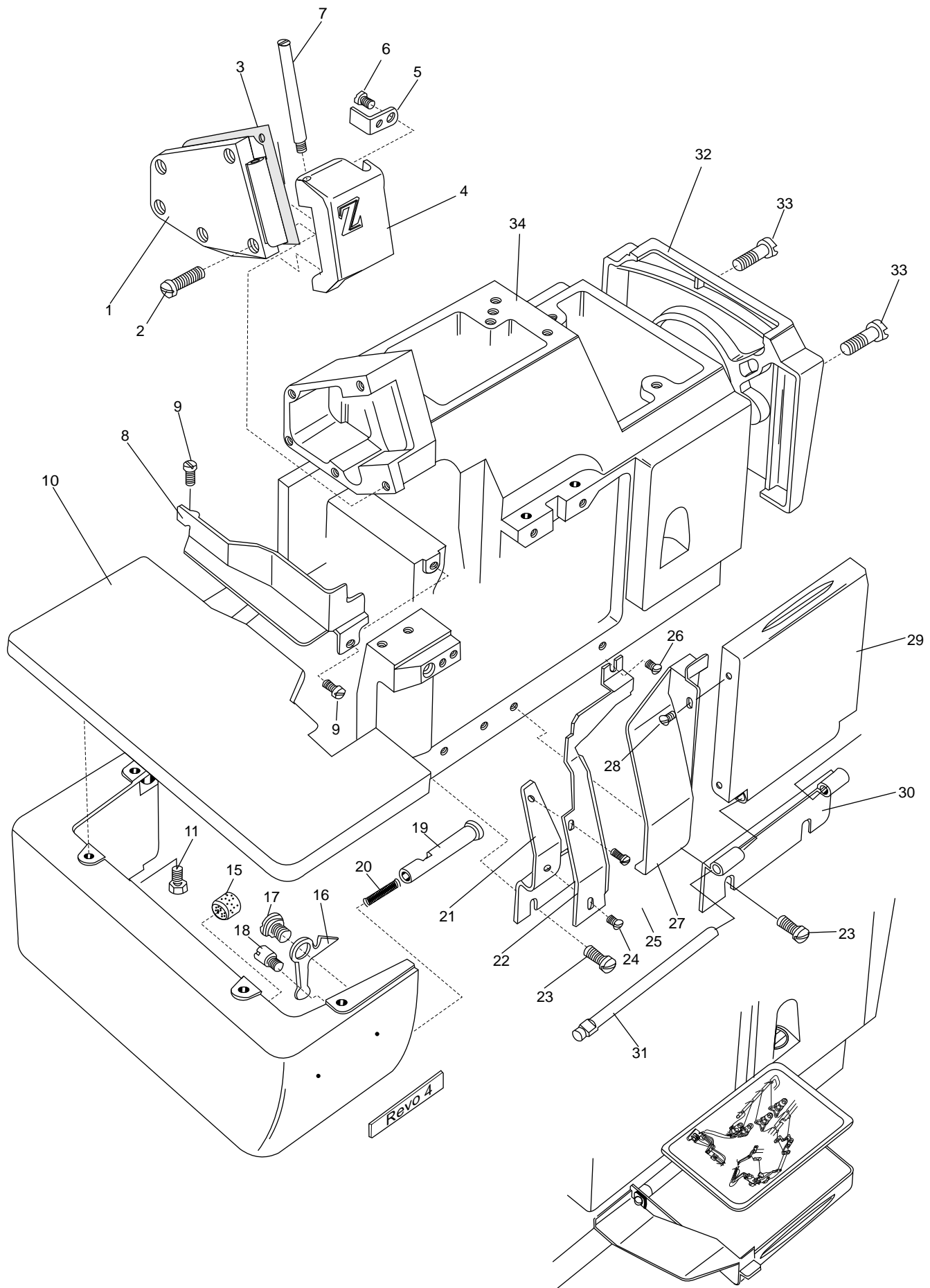
Trouble and Reasons	Countermeasures and Treatment	Page
A. SKIP - STITCHING		
a) Incorrect threading	Refer to "Threading"	4 - 5, 15
b) Improper fitting of Needle (in facing and height)	Refer to "Fitting of Needle" and "Height of Needle".	4, 14 10, 16
c) Destruction and bend at needle point	Change with new needle	
d) Improper relation between Needle and Looper	Refer to:- "Timing between Needle and Upper, Lower Loopers", "Positioning of Needle and Lower Looper in Front-Rear Relation". "Timing between Upper and Lower Loopers".	10 - 12 17
e) Wearing at the Point of Upper and Lower Loopers	Readjust by oilstone or emery paper, otherwise change with new looper.	
f) Improper relation between Needle and Needle Guard	Refer to "Needle and Needle Guard".	12
G) Excessive Strength or weakness for thread tension	Adjust to obtain suitable tension.	
B. THREAD BREAKAGE		
a) Incorrect threading	Refer to "Threading"	4 - 5, 15
b) Improper fitting of Needle (in facing and height)	Refer to "Fitting of Needle" and "Height of Needle"	4, 14, 10,16
c) Excessive strength for thread tension	Adjust to obtain suitable tension.	
d) Poor finish of groove or eye of Needle	Change with new needle.	
e) Poor quality of thread	Use thread of better quality	
f) Thicker thread comparing with size of needle eye	Change with suitable thread or needle.	
g) Improper relation between	Same as A - d.	
h) Scratches on Stitch Plate, Needle, Looper, Presser Foot tongue, Eyelet and etc.	Readjust by oilstone or emery Paper.	
C. NEEDLE BREAKAGE		
a) Improper fitting of Needle (in facing and height)	Refer to "Fitting of Needle" and "Height of Needle".	4, 14,10, 16
b) Bend of needle point	Change with new needle	

Troubles and Reasons	Countermeasures and Treatments	Page
c) Improper relation between Needle and Looper	Same as A - d.	
d) Improper relation between Needle and Needle Guard	Refer to "Needle and Needle Guard	12
D. LOOSENESS ON SEWING FINISH		
a) Incorrect threading	Refer to "Threading".	4 - 5, 15
b) Thicker thread comparing with size of needle eye	Change with Suitable thread	or needle.
c) Improper operation of Tension Disc	Make Disks operate smoothly cleaning dusts inside them.	
d) Improper relation between	Same as A - d.	
e) Improper positioning of Eyelets	Refer to :- "Tension of Needle Thread" "Tension of Lower Looper Thread". "Tension of Upper Looper Thread".	9 - 10
E. LACK OF UNIFORMITY ON SEWING FINISH		
a) Incorrect threading	Refer to "Threading"	4 - 5, 15
b) Uneven thickness of thread	Use thread of better quality.	
c) Poor finish of eyes on Eyelets	Polish their eyes to be smooth by emery paper or the like.	
d) Improper Positioning of	Refer to :- "Tension of Needle Thread", "Tension of Lower Looper Thread". "Tension of Upper Looper Thread".	9 - 10
e) Blunt cutting of Knives	Refer to "Adjusting of Knives for Fabric Cutting" and "Sharpening of Knives".	13 - 14
f) Incorrect fitting of Lower Knife	Refer to "Adjusting of Knives for Fabric Cutting".	13
F. TOO MUCH SEWING WRINKLES		
a) Excessive thickness of Needle	Select suitable needle to thread and fabric.	
b) Incorrect adjusting of differential ratio	Refer to "Adjusting of Differential feeding".	9
c) Improper pressure on Presser Foot	Refer to "Pressure of Presser Foot"	5
d) Excessive strength for thread tension	Adjust the tension suitably.	

Troubles and Reasons	Countermeasures and Treatments	Page
e) Blunt cutting of Knives	Same as E - e.	
f) Unfitting of the cutting width with Stitch Tongue on Stitch Plate.	Make both of width fit suitably, Otherwise change with new Stitch Plate.	
g) Improper fitting of Feed Dogs	Refer to "Height of Feed Dogs" and "Parallelism of Feed Dogs and Stitch Plate".	12 - 13
G. INSUFFICIENT FLOW OF CHAIN-OFFS		
a) Incorrect threading	Refer to "Threading".	4 - 5, 15
b) Excessive strength or weakness for thread tension	Adjust to obtain the suitable tension	
c) Improper positioning of Eyelets	Same as D - e.	
d) Improper relation between Needle and Loper	Same as A - d.	
e) Scratches on Stitch Plate, Needle, Loper, Presser Foot Tongue, Eyelet & etc.	Readjust by emery paper and the like.	
H. DAMAGES ON FABRIC BY DOGS		
a) Excessive sharpness of Dog	Round it off by oilstone	
b) Excessive pressure on Pressure Foot	Make it be as weak as possible Refer to "Pressure of Presser Foot".	5
I. TOO LARGE OPENING ON NEEDLE PENETRATION		
a) Bluntness of needle point	Change with new needle	
b) Thicker needle comparing with fabric	Change with thinner needle	
c) Angular edge of slot for needle drop on Stitch Plate	Round off its edge by emery paper or the like.	

18. Additional Note

Items mentioned in this booklet are for the operation and adjusting of Class DCZ - 200 machines. However, according to the special conditions like as nature of fabrics, threads or others, there may be some cases to have to make other arrangements particularly. In such cases, please adjust again to be suitable to special conditions.

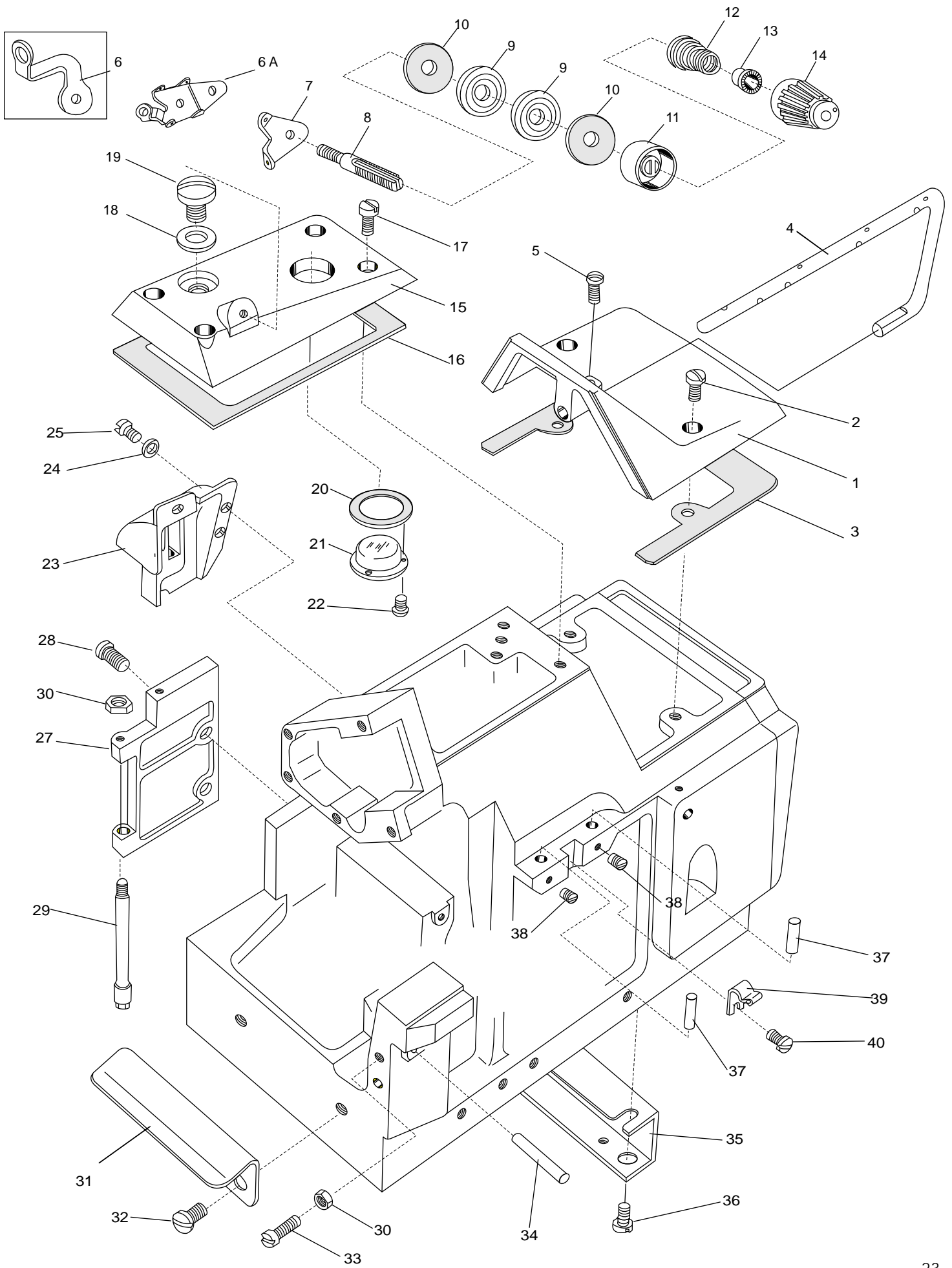


SWARUP MECHANICAL WORKS



SPARE PARTS LIST OF REVO OVERLOCK MACHINE

REF. No.	PART No.	DESCRIPTION	UNITS	RATE
1	32617	SIDE COVER	1	1
2	9150	SCREWS FOR 32617	1	5
3	32618	SIDE COVER GASKET	1	1
4	32619	NEEDLE THREAD COVER	1	1
5	32620	NEEDLE THREAD COVER LATCH SPRING	1	1
6	7302	SCREWS FOR 32620	1	2
7	32622	NEEDLE THREAD COVER PIN	1	1
8	32623	FABRIC GUARD	1	1
9	4353	SCREWS FOR 32623	1	2
10	32602	CLOTH PLATE (UPPER)	1	1
11	7605	SCREWS FOR 32602	1	4
12	32603	CLOTH PLATE (LOWER)	1	1
15	32604	CLOTH PLATE RUBBER CUSHION	1	1
16	30126	CLOTH PLATE LATCH	1	1
17	6040	SCREW FOR 30126	1	1
18	5095	STOPPER FOR 30126	1	1
19	32628	CLOTH PLATE LATCH PLUNGER	1	1
20	32629	CLOTH PLATE LATCH SPRING	1	1
21	32640	CHIP GUARD SUPPORTER	1	1
22	32610	CHIP GUARD (FIX)	1	1
23	4440	SCREW FOR 32607,32640	1	4
24	1330	SCREW FOR 32610	1	1
25	1222	SCREW FOR 32610	1	1
26	1326	SCREW FOR 32610	1	1
27	32611	CHIP GUARD (OPEN)	1	1
28	5131	SCREWS FOR 32611	1	2
29	32606	FRONT COVER	1	1
30	32607	FRONT COVER HINGE	1	1
31	32608	FRONT COVER HINGE PIN	1	1
32	32477	BELT COVER	1	1
33	5089	SCREWS FOR 32477	1	2
34	32600	FRAME	1	1
35	865	THREADING CHART FOR DCZ - 200	1	1
35-1	866	THREADING CHART FOR DCZ - 202	1	1
35-2	867	THREADING CHART FOR DCZ - 203S	1	1
35-3	868	THREADING CHART FOR DCZ - 222, -223	1	1
35-4	869	THREADING CHART FOR DCZ - 220W, -220, -221	1	1
35-5	858	THREADING CHART FOR DCZ - 270	1	1

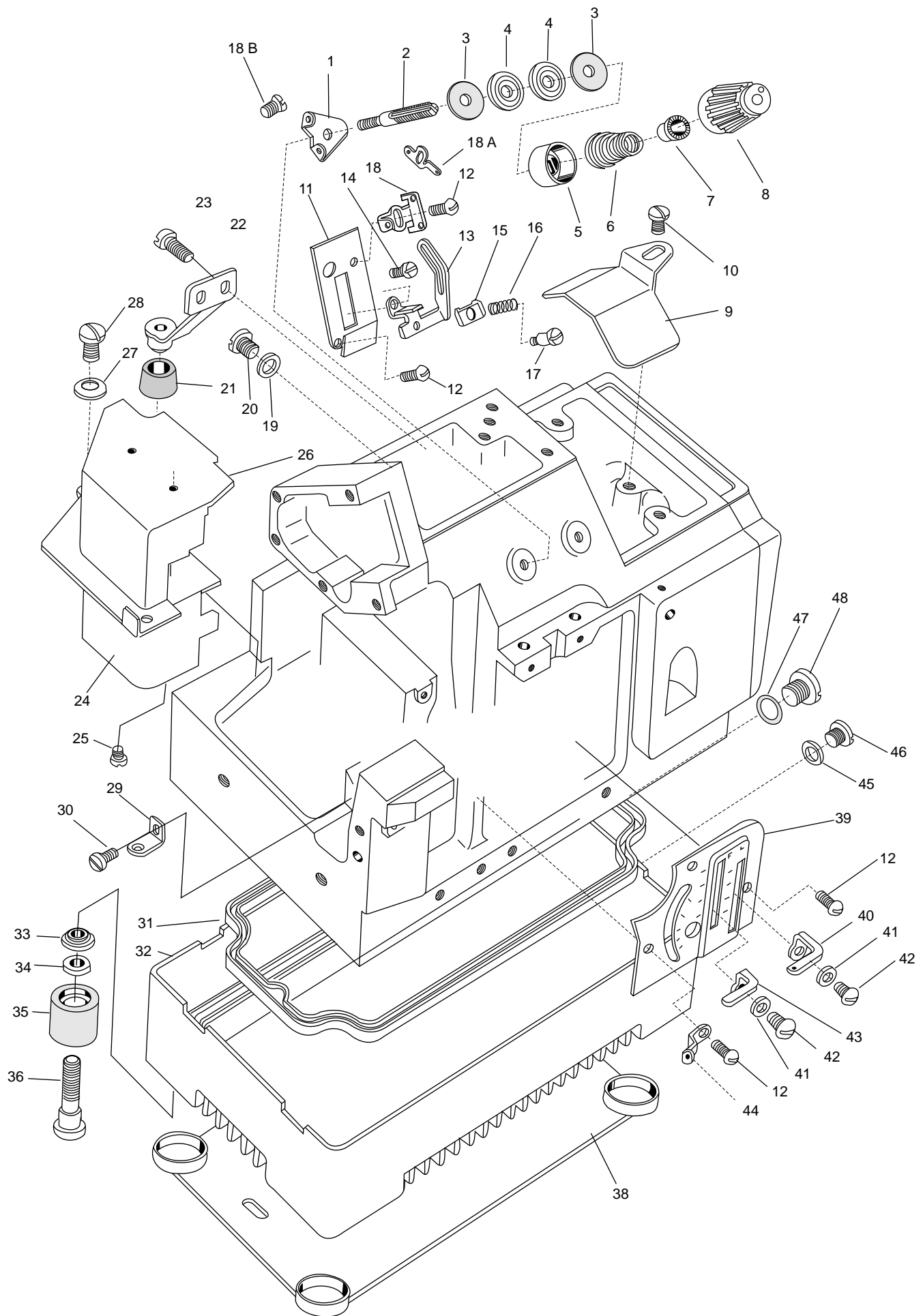


SWARUP MECHANICAL WORKS



SPARE PARTS LIST OF REVO OVERLOCK MACHINE

REF. No.	PART No.	DESCRIPTION	UNITS	RATE
1	32613	TOP COVER (RIGHT)	1	1
2	9150	SCREWS FOR 32613	1	2
3	32597	TOP COVER (RIGHT) GASKET	1	1
4	32970	THREAD LEAD BAR	1	1
5	4435	SCREWS FOR 32970	1	1
6	32974	THREAD LEAD BAR STAY	1	1
7	32962	TENSION DISC EYELET	1	1
8	6544	NEEDLE THREAD TENSION POST	1	1
9	01111	TENSION DISCS	1	2
10	286	FELTS FOR 01111	1	2
11	37635	THREAD TENSION SPRING RETAINER	1	1
12	32971	NEEDLE THREAD TENSION SPRING	1	1
13	30254	TENSION SPRING BUSHING	1	1
14	32965	THREAD TENSION SPRING CAP	1	1
15	32614	TOP COVER (LEFT)	1	1
16	32615	TOP COVER (LEFT) GASKET	1	1
17	9150	SCREWS FOR 32614	1	4
18	525	SEAL FOR 5075	1	1
19	5075	OIL HOLE SCREW	1	1
20	32924	OIL SIGHT TOP WINDOW SEAL	1	1
21	32930	OIL SIGHT TOP WINDOW	1	1
22	1333	SCREWS FOR 32930	1	3
23	32624	FOOT LIFTER HINGE COVER	1	1
24	550	WASHERS FOR 32624	1	2
25	4440	SCREWS FOR 32624	1	2
27	32605	CLOTH PLATE HINGE	1	1
28	5089	SCREWS FOR 32605	1	2
29	32586	CLOTH PLATE HINGE PIN	1	1
30	334	NUTS FOR 32586, 1156	1	2
31	32599	FRAME HANGER	1	1
32	7678	SCREWS FOR 32599	1	2
33	1159	STOPPER SCREW FOR CLOTH PLATE	1	1
34	698	CLOTH PLATE LATCH PIN	1	1
35	32484	UNDER PUMP OIL FILTER SCREEN SUPPORTER	1	1
36	4440	SCREWS FOR 32484	1	2
37	32963	LOPPER THREAD TUBES	1	2
38	1459	SCREWS FOR 32963	1	2
39	32609	FRONT COVER LATCH SPRING	1	1
40	4358	SCREW FOR 32609	1	1

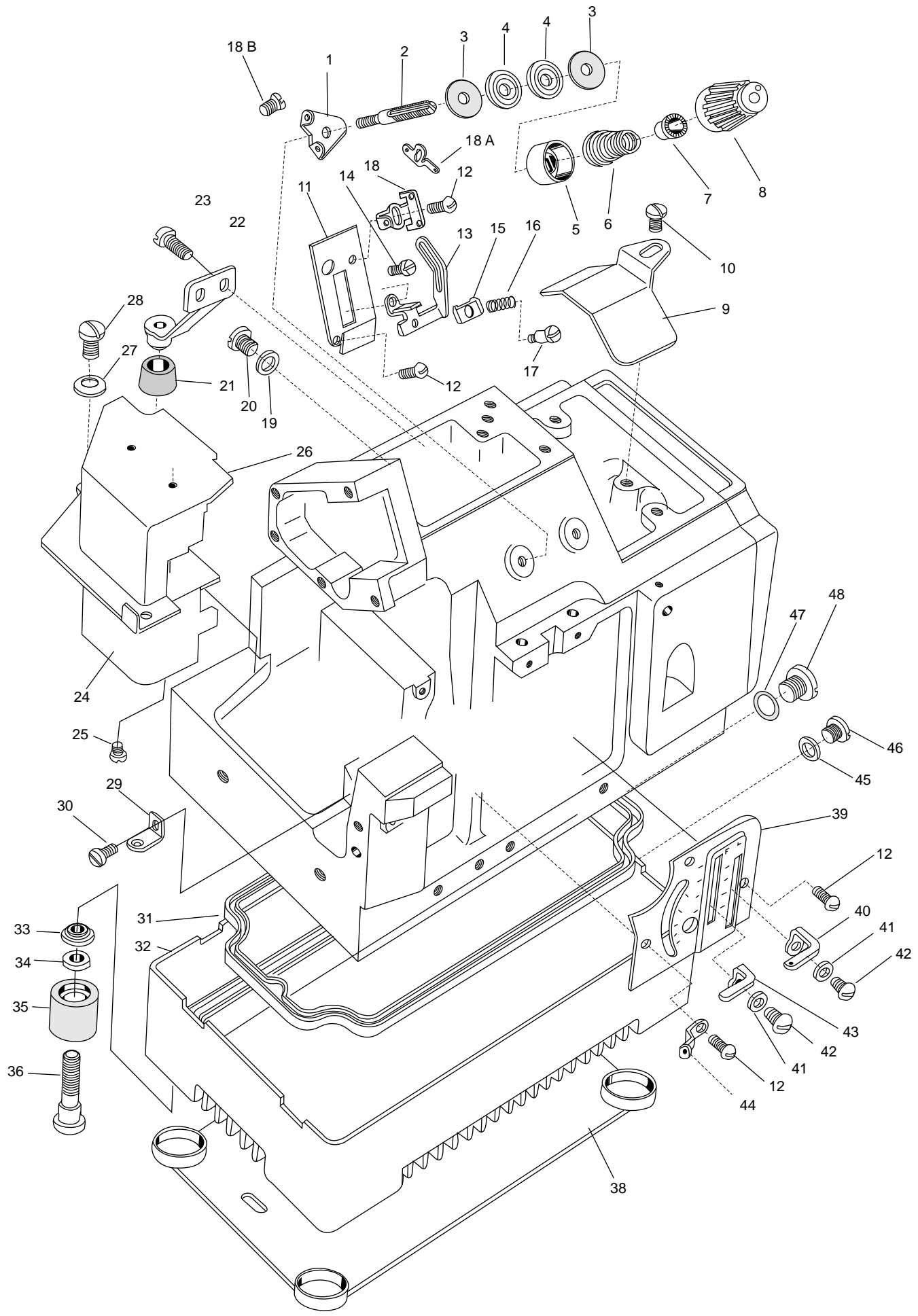


SWARUP MECHANICAL WORKS



SPARE PARTS LIST OF REVO OVERLOCK MACHINE

REF. No.	PART No.	DESCRIPTION	UNITS	RATE
1	32962	TENSION DISC EYELETS FOR LOOPER	1	2
2	6542	LOOPER THREAD TENSION POSTS	1	2
3	286	FELTS FOR 01111	1	4
4	01111	TENSION DISCS	1	4
5	37635	THREAD TENSION SPRING RETAINERS	1	2
6	32952	LOOPER THREAD TENSION SPRINGS	1	2
7	30254	TENSION SPRING BUSHINGS	1	2
8	32965	THREAD TENSION SPRING CAPS	1	2
9	32663	WORM COVER	1	1
10	4438	SCREW FOR 32663	1	1
11	32627	NEEDLE BAR CONNECTING LINK COVER	1	1
12	1326	SCREWS FOR 32424, 32627, 34010	1	5
13	32423	NEEDLE BAR THREAD RETAINER BRACKET	1	1
14	7006	SCREW FOR 32423	1	1
15	32425	NEEDLE BAR THREAD RETAINER PLATE	1	1
16	32426	NEEDLE BAR THREAD RETAINER SPRING	1	1
17	1092	SCREW FOR 32425	1	1
18	32424	NEEDLE THREAD EYELET	1	1
18 A	32575	AUXILIARY NEEDLE THREAD EYELET	1	
18 B	4358	SCREW FOR 32575	1	
19	567	SEAL FOR 5062	1	1
20	5062	OIL HOLE SCREW	1	1
21	32976	STAY RUBBER CUSHION	1	1
22	32977	FRAME STAY	1	1
23	9150	SCREWS FOR 32977	1	2
24	32475	FEED MECHANISM OIL SHIELD	1	1
25	1228	SCREWS FOR 32475	1	2
26	32625	FEED MECHANISM COVER	1	1
27	10	WASHER FOR HINGE SCREW	1	1
28	6004	HINGE SCREW FOR 32625	1	1
29	32626	FEED MECHANISM COVER LATCH SPRING	1	1
30	4351	SCREW FOR 32626	1	1
31	32975	BASE GASKET	1	1
32	32973	BASE	1	1
33	32375	BASE OIL SEALS	1	4
34	563	WASHERS FOR 32973	1	4
35	32377	BASE RUBBER CUSHIONS	1	4
36	6262	SCREWS FOR 32973	1	4
38	32660	RUBBER CUSHION HOLDER PLATE	1	1
39	34010	LOPPER THREAD EYELET SUPPORTER	1	1
40	32955	LOPPER THREAD EYELET (RIGHT)	1	1
41	532	WASHERS FOR 32955, 32358	1	2



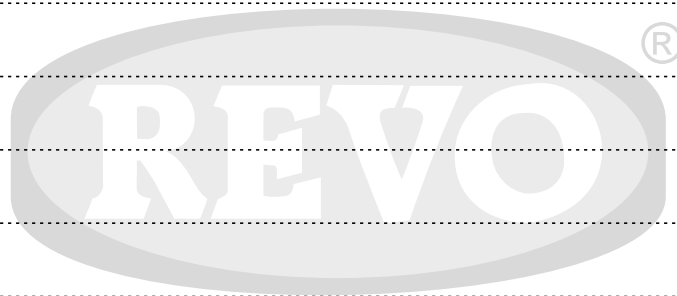
SWARUP MECHANICAL WORKS

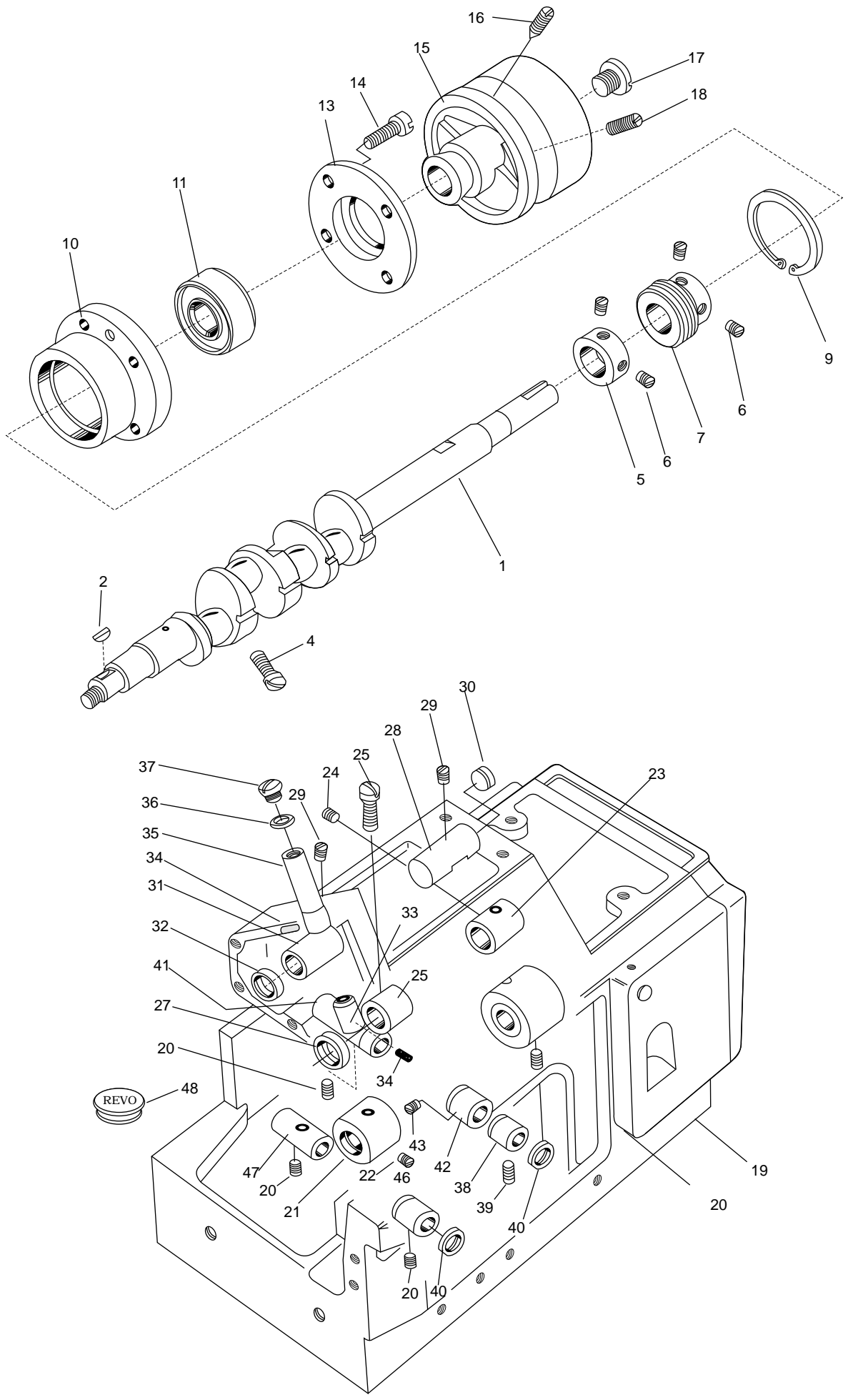


SPARE PARTS LIST OF REVO OVERLOCK MACHINE

REF. No.	PART No.	DESCRIPTION	UNITS	RATE
42	1330	SCREWS FOR 32955, 32358	1	2
43	32358	LOOPER THREAD EYELET (LEFT)	1	1
44	32960	LOWER LOOPER THREAD EYELET	1	1
45	316	DRAIN HOLE SEAL FOR OUTER	1	1
46	9851	DRAIN HOLE SCREW FOR OUTER	1	1
47	32421	DRAIN HOLE SEAL FOR INNER	1	1
48	5075	DRAIN HOLE SCREW FOR INNER	1	1

Notes :



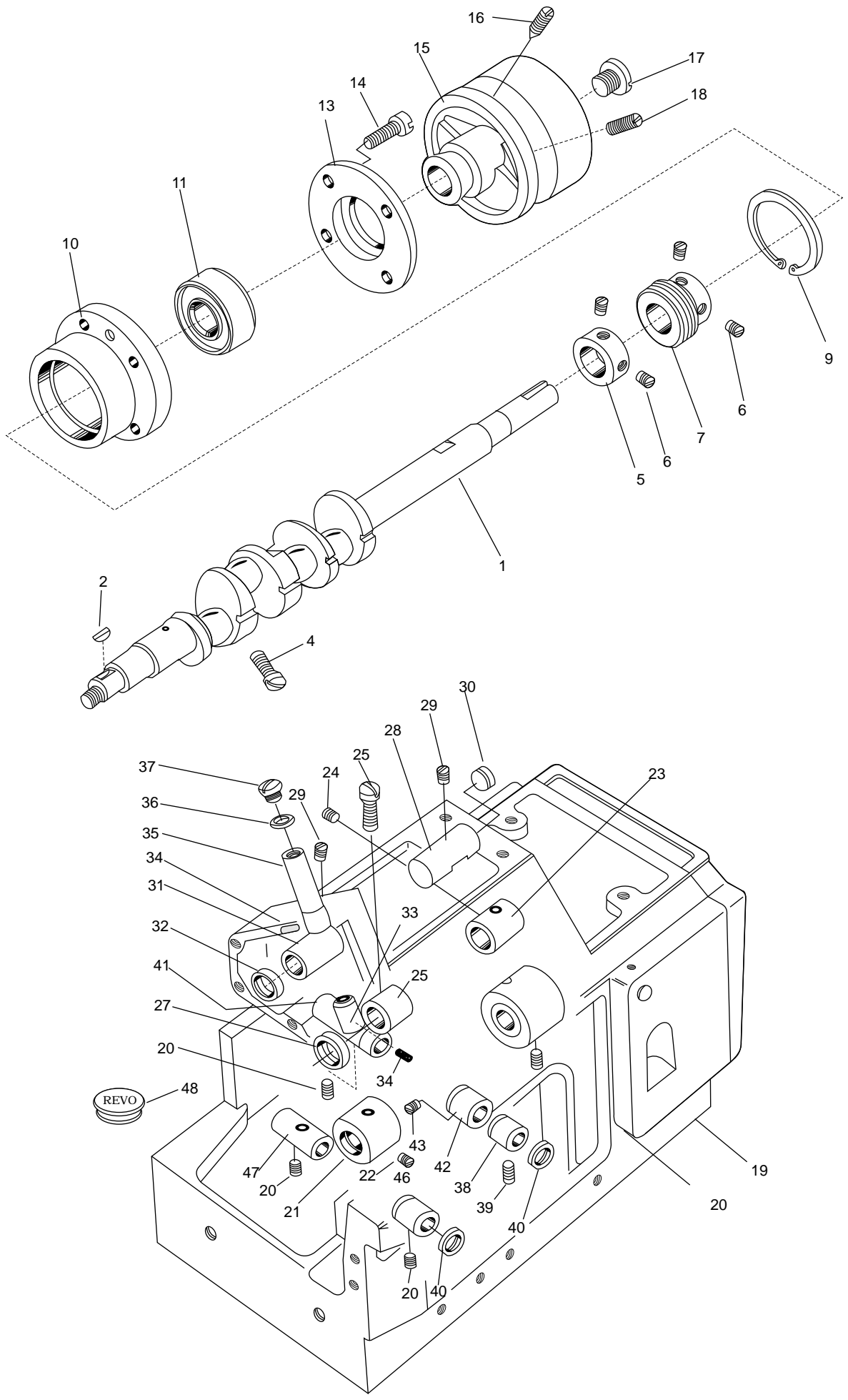


SWARUP MECHANICAL WORKS



SPARE PARTS LIST OF REVO OVERLOCK MACHINE

REF. No.	PART No.	DESCRIPTION	UNITS	RATE
1	32774	CRANK SHAFT	1	1
2	32780	FEED DRIVING ECCENTRIC KEY	1	1
4	7609	SCREWS FOR 32773	1	2
5	32820	CRANK SHAFT THRUST COLLAR	1	1
6	7650	SCREWS FOR 32820, 32925	1	4
7	32925	OIL PUMP DRIVING WORM	1	1
9	32778	CRANK SHAFT BALL BEARING RETAINING RING (INNER)	1	1
10	32775	CRANK SHAFT BALL BEARING HOUSING	1	1
11	32777	CRANK SHAFT BALL BEARING	1	1
13	32817	CRANK SHAFT BALL BEARING HOUSING CAP	1	1
14	4441	SCREWS FOR 32817	1	4
15	32772	PULLEY	1	1
16	3591	MAIN SCREW FOR 32772	1	1
17	4402	CAP SCREW FOR 32772	1	1
18	9203	SUB SCREW FOR 32772	1	1
19	32781	CRANK SHAFT BUSHING (INNER)	1	1
20	9209	SCREWS FOR 32781, 32793, 32794, 32795	1	4
21	32782	CRANK SHAFT BUSHING (LEFT)	1	1
22	3595	SCREW FOR 32782	1	1
23	32904	UPPER KNIFE DRIVING SHAFT BUSHING (RIGHT)	1	1
24	3654	SCREW FOR 32904	1	1
25	32905	UPPER KNIFE DRIVING SHAFT BUSHING (LEFT)	1	1
26	2133	SCREW FOR 32905	1	1
27	32906	UPPER KNIFE DRIVING SHAFT OIL SEAL	1	1
28	32648	NEEDLE BAR DRIVING CRANK BUSHING (RIGHT)	1	1
29	1457	SCREWS FOR 32647, 32648	1	2
30	32650	NEEDLE BAR DRIVING CRANK BUSHING PLUG	1	1
31	32647	NEEDLE BAR DRIVING CRANK BUSHING (LEFT)	1	1
32	32684	NEEDLE BAR DRIVING CRANK OIL SEAL	1	1
33	32653	NEEDLE BAR BUSHING (LOWER)	1	1
34	304	OIL WICKS FOR 32652, 32653	1	2
35	32652	NEEDLE BAR BUSHING (UPPER)	1	1
36	526	SEAL FOR 32652	1	1
37	3636	CAP SCREW FOR 32652	1	1
38	34518	UPPER LOOPER DRIVING SHAFT BUSHING (FRONT)	1	1
39	1435	SCREW FOR 34518	1	1
40	30291	LOOPER SHAFT OIL SEALS	1	2
41	32793	UPPER LOOPER DRIVING SHAFT BUSHING (REAR)	1	1
42	32349	UPPER LOOPER BAR GUIDE BUSHING	1	1
43	1448	SCREW FOR 32802	1	1
46	32794	LOWER LOOPER DRIVING SHAFT BUSHING (FRONT)	1	1
47	32795	LOWER LOOPER DRIVING SHAFT BUSHING (REAR)	1	1



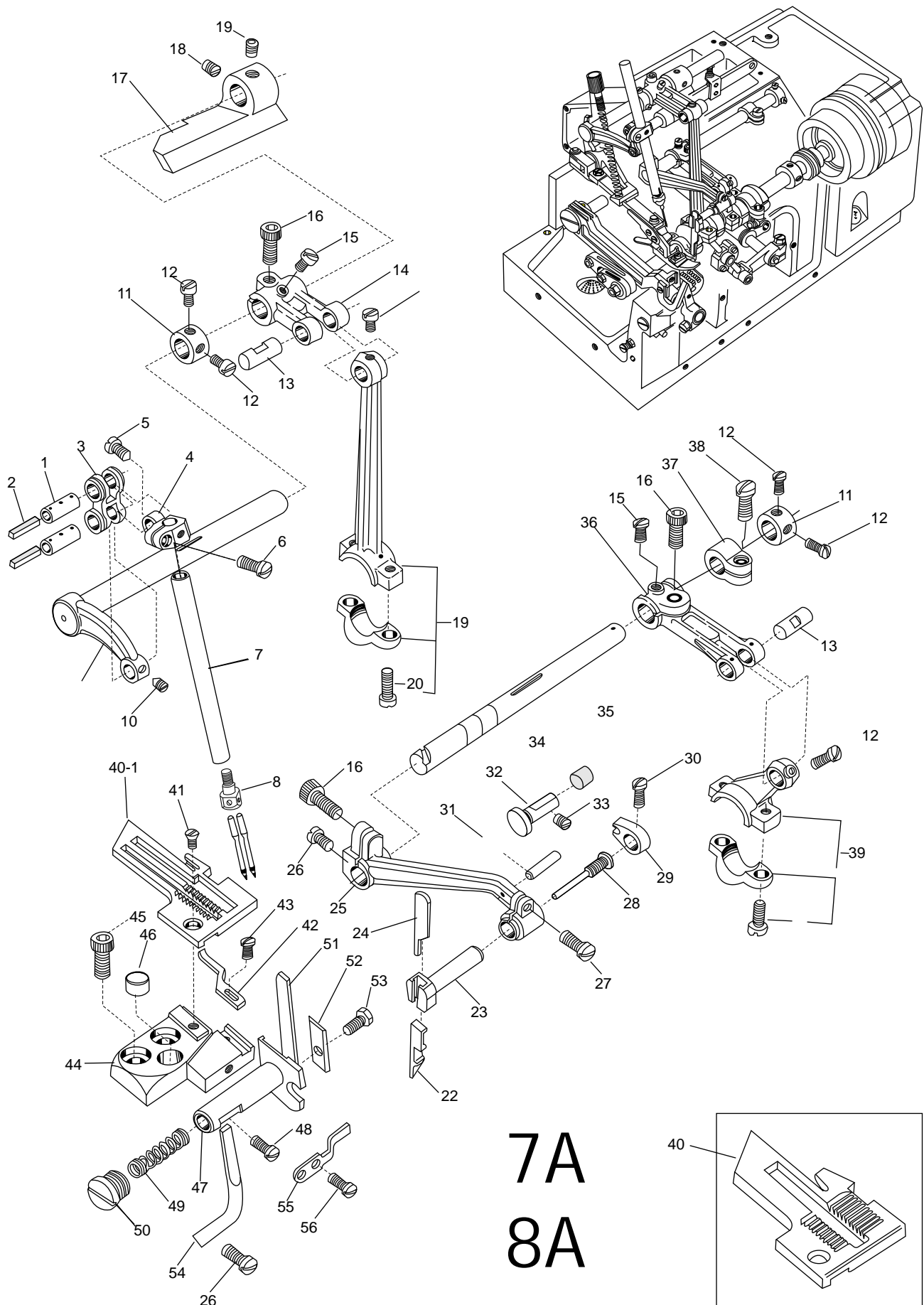


SPARE PARTS LIST OF REVO OVERLOCK MACHINE

REF. No.	PART No.	DESCRIPTION	UNITS	RATE
48	32796	LOWER LOOPER DRIVING SHAFT OIL SEAL	1	1

Notes :



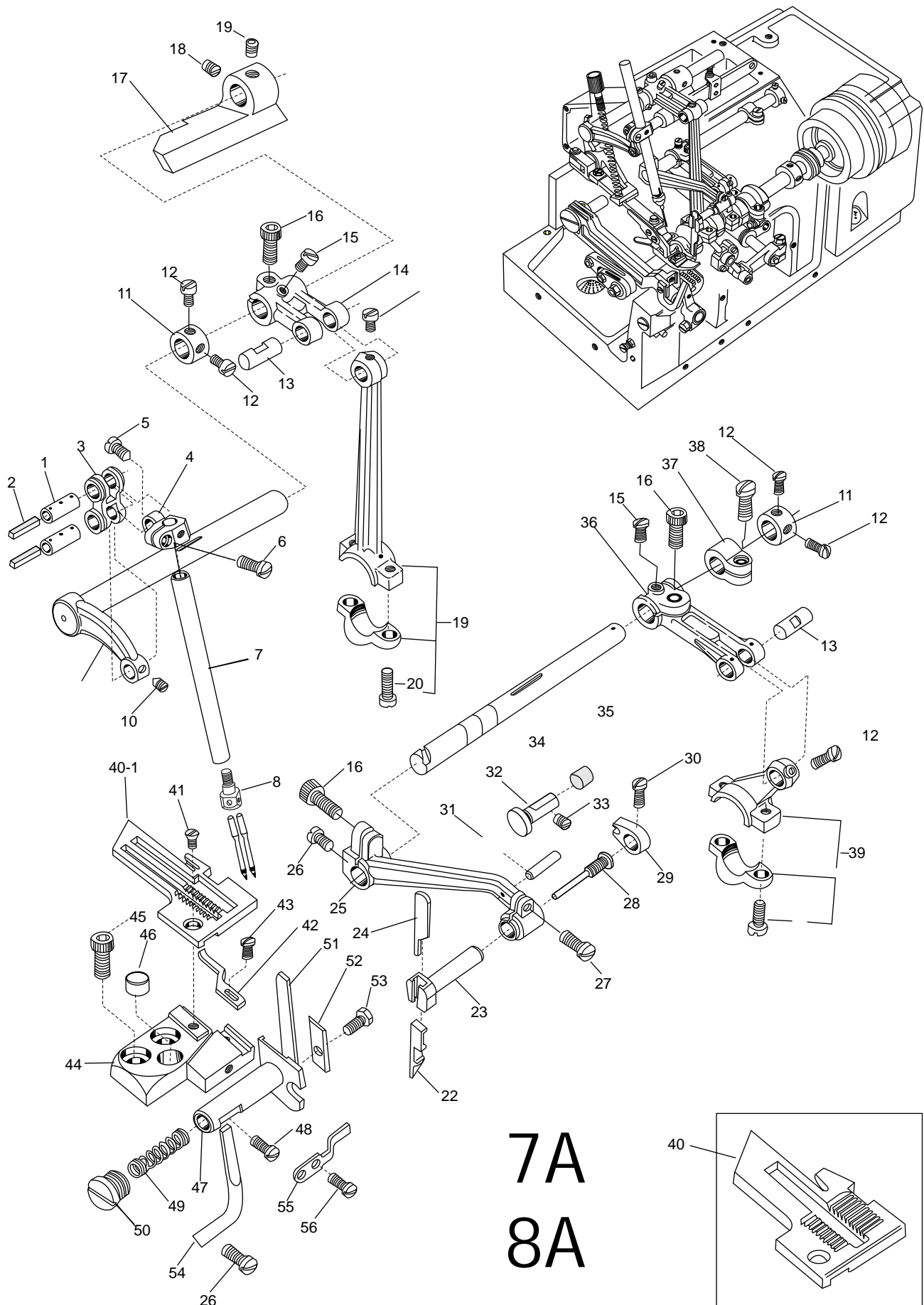


SWARUP MECHANICAL WORKS



SPARE PARTS LIST OF REVO OVERLOCK MACHINE

REF. No.	PART No.	DESCRIPTION	UNITS	RATE
1	90320	NEEDLE BAR CONNECTION LINK PINS	1	2
2	282	OIL WICKS FOR 90320	1	2
3	90321	NEEDLE BAR CONNECTION LINK	1	1
4	32651	NEEDLE BAR CONNECTION BRACKET	1	1
5	4313	SCREW FOR 90320 (32651)	1	1
6	1186	SCREW FOR 32651	1	1
7	37122	NEEDLE BAR FOR SINGLE NEEDLE	1	1
7 A		NEEDLE BAR FOR DOUBLE NEEDLE		
8	62	NEEDLE CLAMPING NUT	1	1
8 A		NEEDLE BAR FOR CLAMPING NUT		
9	32645	NEEDLE BAR DRIVING CRANK	1	1
10	3311	SCREW FOR 90320 (32645)	1	1
11	32646	NEEDLE BAR DRIVING CRANK COLLARS	1	2
12	9604	SCREWS FOR 32646, 32921, 32900	1	6
13	32921	CONNECTING ROD PIN	1	2
14	32644	NEEDLE BAR DRIVING LEVER	1	1
15	9517	SUB SCREWS FOR 32644, 32902	1	2
16	5520	MAIN SCREWS FOR 32644, 32902, 32910	1	3
17	32662	NEEDLE BAR DRIVING CRANK COUNTERWEIGHT [®]	1	1
18	3635	SCREWS FOR 32662	1	2
19	32670	NEEDLE BAR CONNECTING ROD	1	1
20	5071	SCREWS FOR 32670, 32900	1	4
22	32913	UPPER KNIFE CLAMP	1	1
23	32911	UPPER KNIFE HOLDER	1	1
24	32914	UPPER KNIFE	1	1
25	32910	UPPER KNIFE DRIVING ARM	1	1
26	4437	SCREWS FOR 32910, 32654	1	3
27	1174	SCREW FOR 32911 (32910)	1	1
28	5508	SCREW FOR 32914	1	1
29	32912	UPPER KNIFE HOLDER GUIDE	1	1
30	7616	SCREW FOR 32912	1	1
31	723	GUIDE PIN FOR 32912	1	1
32	32909	UPPER KNIFE DRIVING ARM GUIDE	1	1
33	3434	SCREW FOR 32909	1	1
34	32519	UPPER KNIFE DRIVING ARM GUIDE PLUG	1	1
35	32903	UPPER KNIFE DRIVING SHAFT	1	1
36	32902	UPPER KNIFE DRIVING LEVER	1	1
37	32920	UPPER KNIFE DRIVING SHAFT COLLAR (LEFT)	1	1
38	7311	SCREW FOR 32920	1	1
39	32900	UPPER KNIFE DRIVING CONNECTING ROD	1	1
40	32667	THROAT PLATE #1 FOR 4 THREAD	1	1
40-1	32666	THROAT PLATE #2 FOR 3 THREAD	1	1



SWARUP MECHANICAL WORKS



SPARE PARTS LIST OF REVO OVERLOCK MACHINE

REF. No.	PART No.	DESCRIPTION	UNITS	RATE
40-2	32682	THROAT PLATE #3	1	1
41	5401	SCREW FOR THROAT PLATE	1	1
42	32655	NEEDLE GUARD (FRONT)	1	1
43	4404	SCREW FOR 32655	1	1
44	32601	THROAT PLATE SUPPORTER	1	1
45	6662	SCREWS FOR 32601	1	1
46	32604	CLOTH PLATE RUBBER CUSHION	1	1
47	32916	LOWER KNIFE HOLDER	1	1
48	4591	SCREW FOR 32916	1	1
49	32919	LOWER KNIFE HOLDER SPRING	1	1
50	5074	SCREW FOR 32919	1	1
51	30421	LOWER KNIFE	1	1
52	32917	LOWER KNIFE CLAMP	1	1
53	7605	SCREW FOR 32917	1	1
54	37654	NEEDLE GUARD (REAR)	1	1
55	32899	LOWER KNIFE HOLDER LOCKING PLATE	1	1
56	4440	SCREWS FOR 32899	1	1

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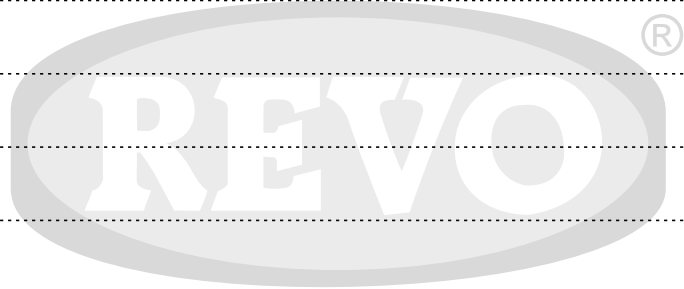
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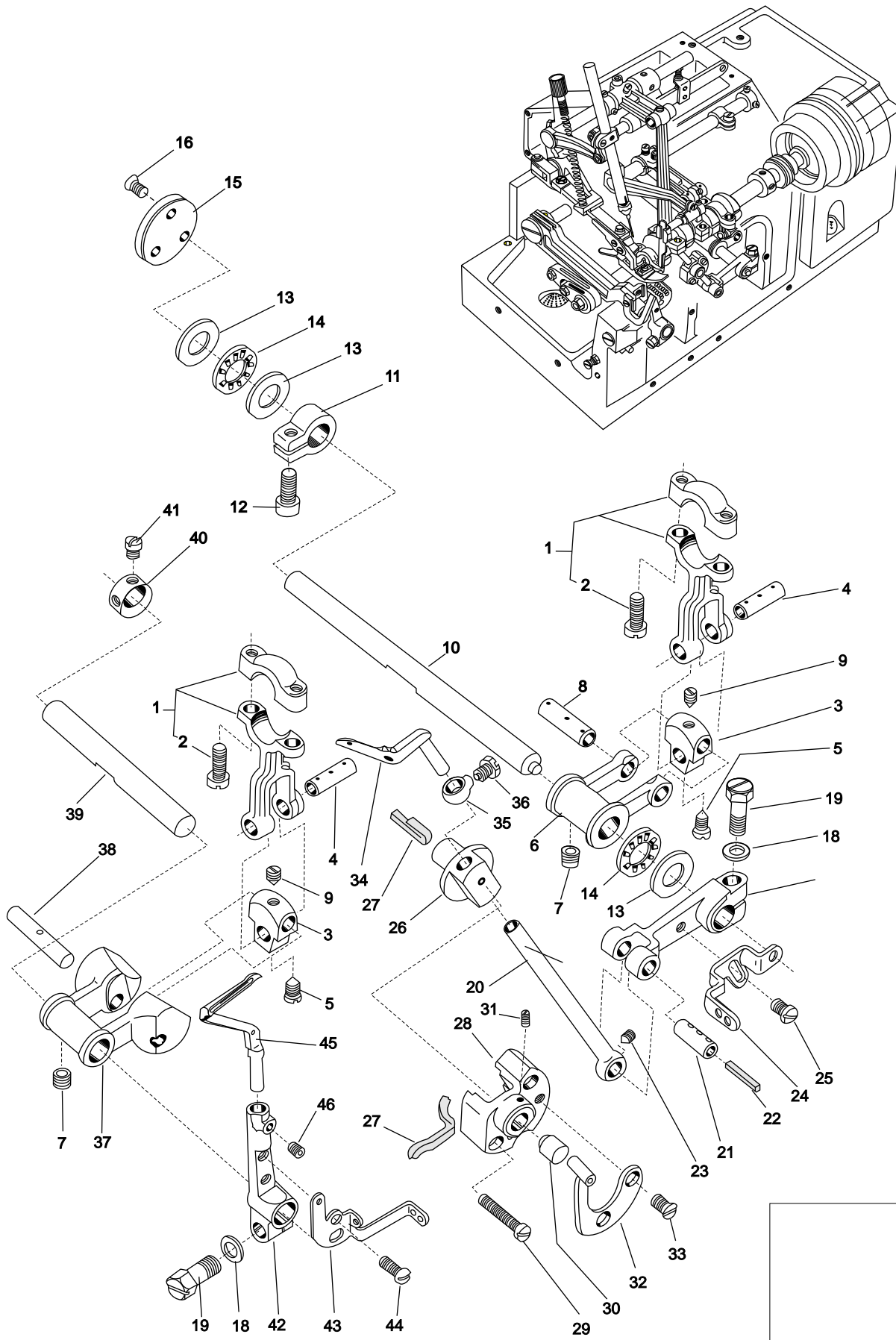
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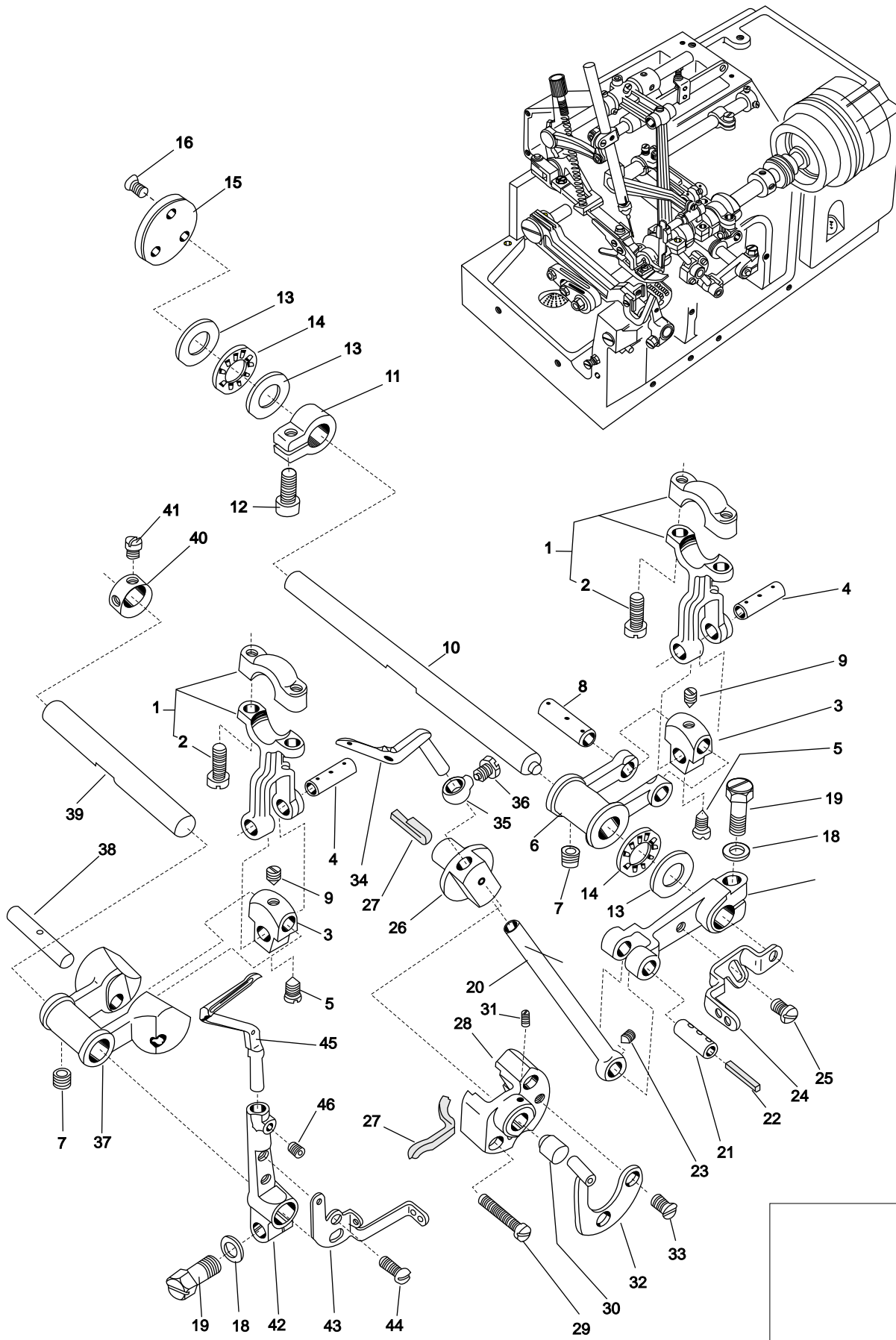


SWARUP MECHANICAL WORKS

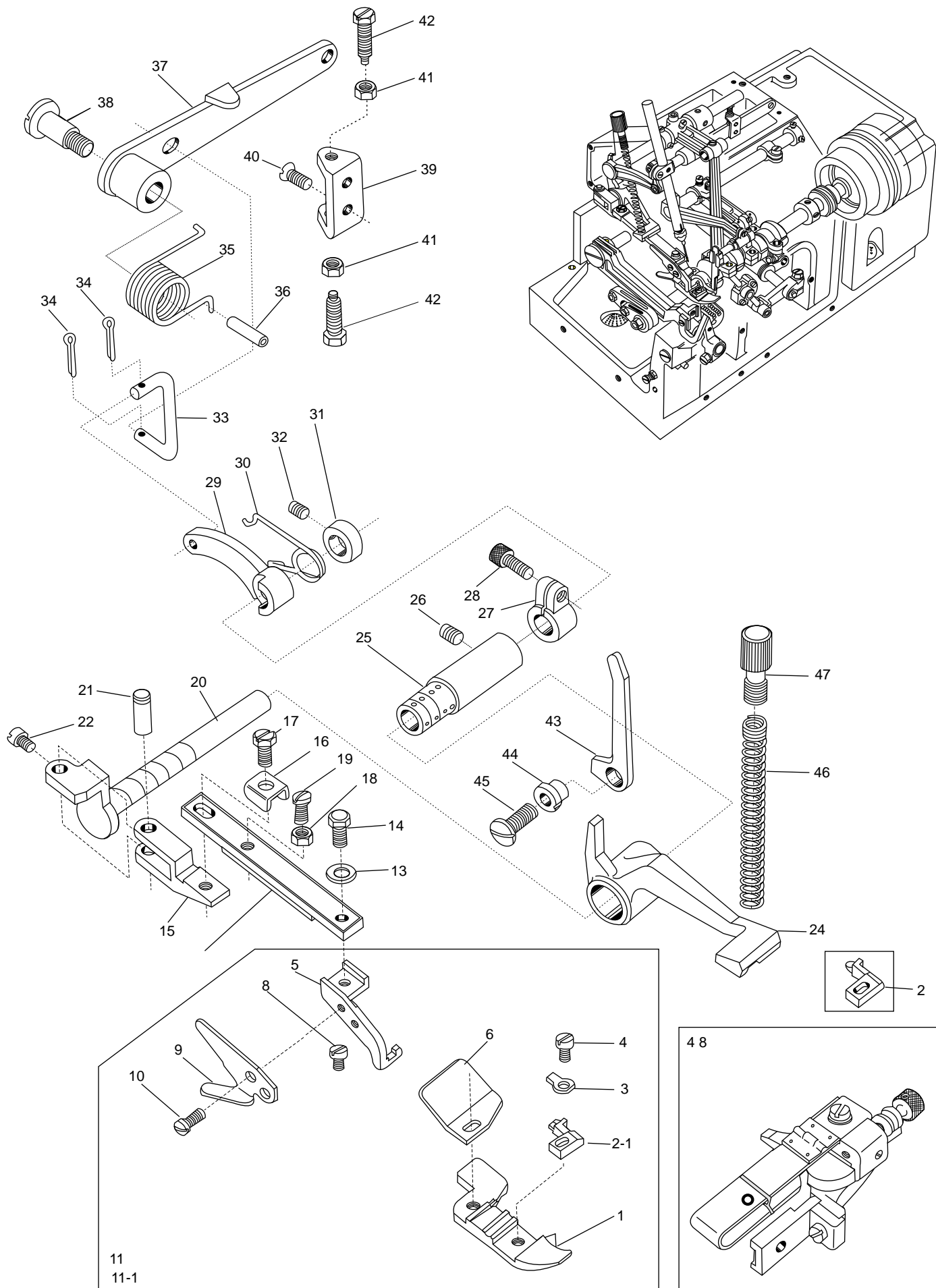


SPARE PARTS LIST OF REVO OVERLOCK MACHINE

REF. No.	PART No.	DESCRIPTION	UNITS	RATE
1	32783	LOOPER DRIVING LEVER CONNECTING RODS	1	2
2	5071	SCREWS FOR 32783	1	4
3	32785	LOPPER DRIVING LEVER LINKS	1	2
4	32784	LOPPER DRIVING LEVER LINKS PINS (SHORT)	1	2
5	9506	SCREWS FOR 32784	1	2
6	32787	UPPER LOOPER DRIVING LEVER	1	1
7	3635	SCREWS FOR 32787, 32815	1	4
8	32786	LOOPER DRIVING LEVER LINK PIN (LONG)	1	1
9	3404	SCREWS FOR 32786, 32816	1	2
10	34517	UPPER LOOPER DRIVING SHAFT	1	1
11	32792	UPPER LOOPER DRIVING SHAFT COLLAR	1	1
12	5550	SCREW FOR 32792	1	1
13	32848	UPPER LOOPER DRIVING SHAFT THRUST WASHERS	1	3
14	32849	UPPER LOOPER DRIVING SHAFT THRUST ROLLERS	1	2
15	33013	UPPER LOOPER DRIVING SHAFT END CAP	1	1
16	5345	SCREWS FOR 33013	1	3
17	34104	UPPER LOOPER BAR DRIVING ARM	1	1
18	520	WASHERS FOR 34104, 32789	1	2
19	5500	SCREWS FOR 34104, 32789	1	2
20	32800	UPPER LOOPER BAR	1	1
21	32799	UPPER LOOPER BAR DRIVING ARM PIN	1	1
22	282	OIL WICK FOR 32799	1	1
23	3311	SCREW FOR 32799	1	1
24	34224	LOOPER THREAD PULL-OFF (RIGHT)	1	1
25	4358	SCREW FOR 34224	1	1
26	32247	UPPER LOOPER BAR GUIDE	1	1
27	304	OIL WICKS FOR 32347, 32800	1	2
28	34516	UPPER LOOPER BAR GUIDE RETAINER	1	1
29	5004	SCREWS FOR 34516	1	2
30	32348	UPPER LOOPER BAR GUIDE TRUST PIN	1	1
31	7650	SCREW FOR 32348	1	1
32	34226	UPPER LOOPER THREAD GUIDE	1	1
33	9142	SCREWS FOR 34226	1	2
34	32807	UPPER LOOPER	1	1
34 A				
34 B				
35	32803	UPPER LOOPER HOLDER COLLAR	1	1
36	5507	SCREW FOR 32803	1	1
37	32815	LOWER LOOPER DRIVING LEVER	1	1
38	32816	LOWER LOOPER DRIVING LEVER PIN	1	1
39	32788	LOWER LOOPER DRIVING SHAFT	1	1
40	30228	LOWER LOOPER SHAFT COLLAR	1	1



TWO LOOPERS
SHOULD BE THERE

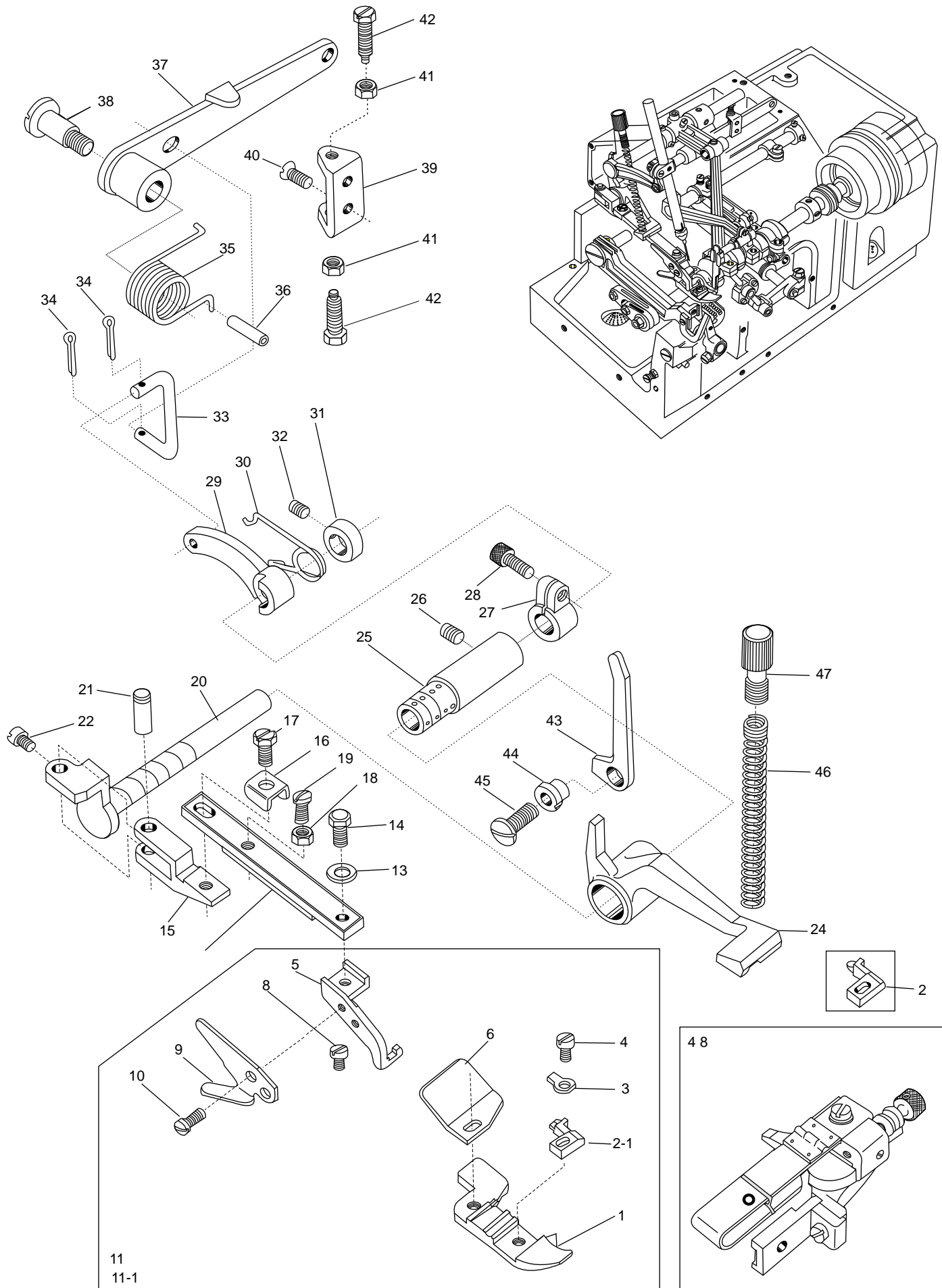


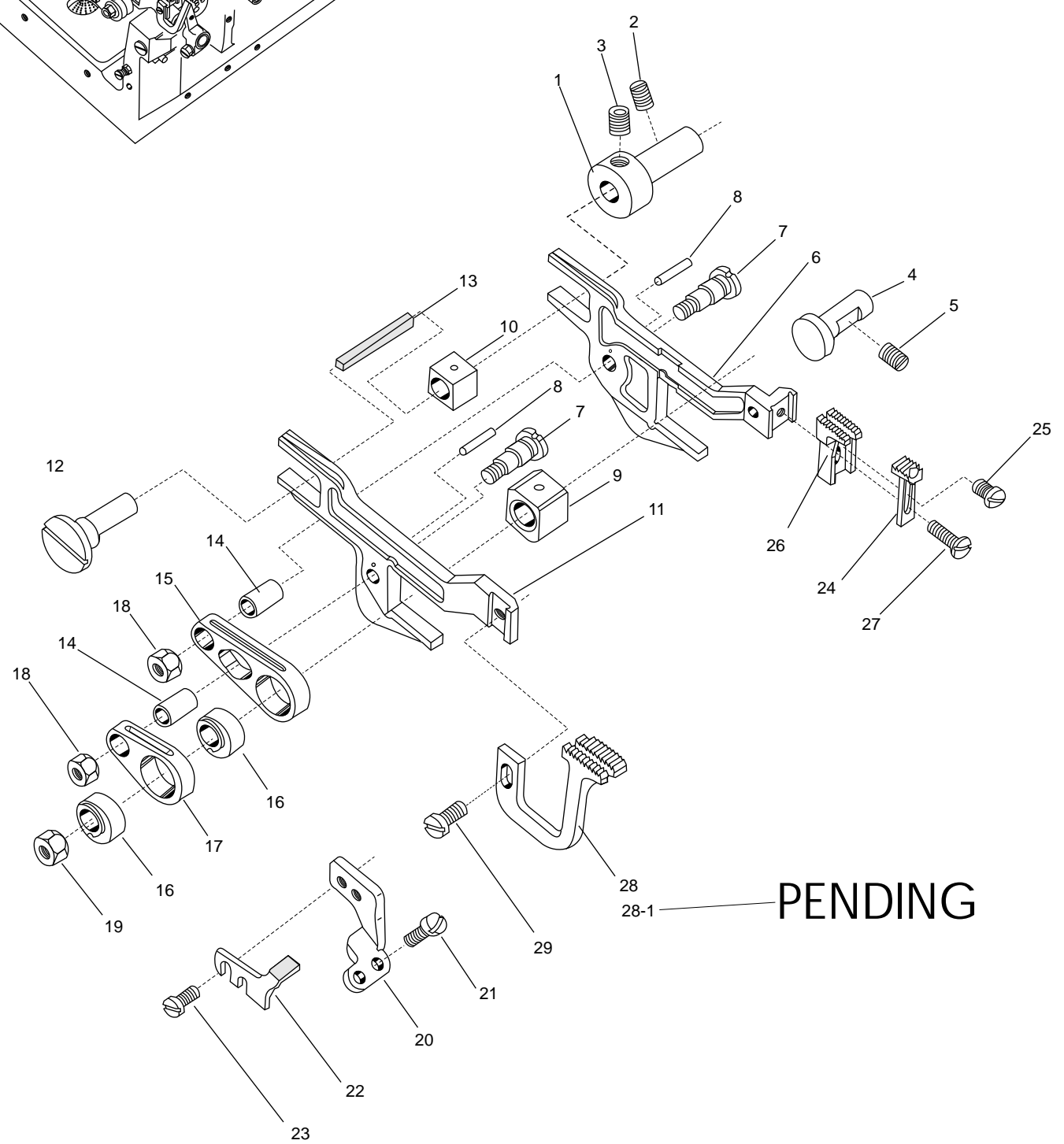
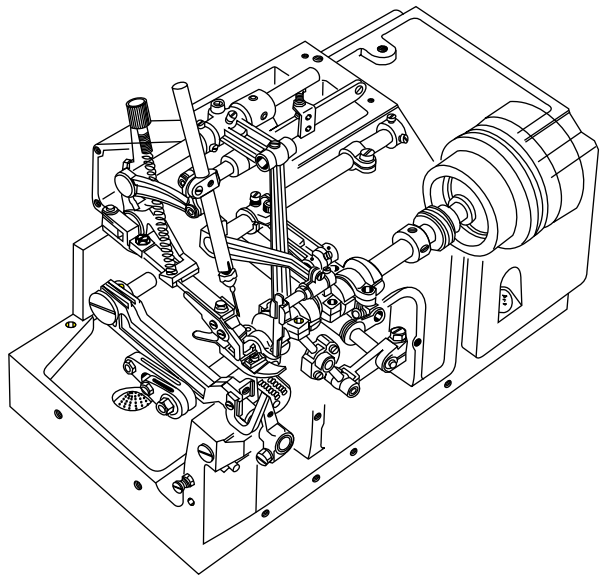
SWARUP MECHANICAL WORKS



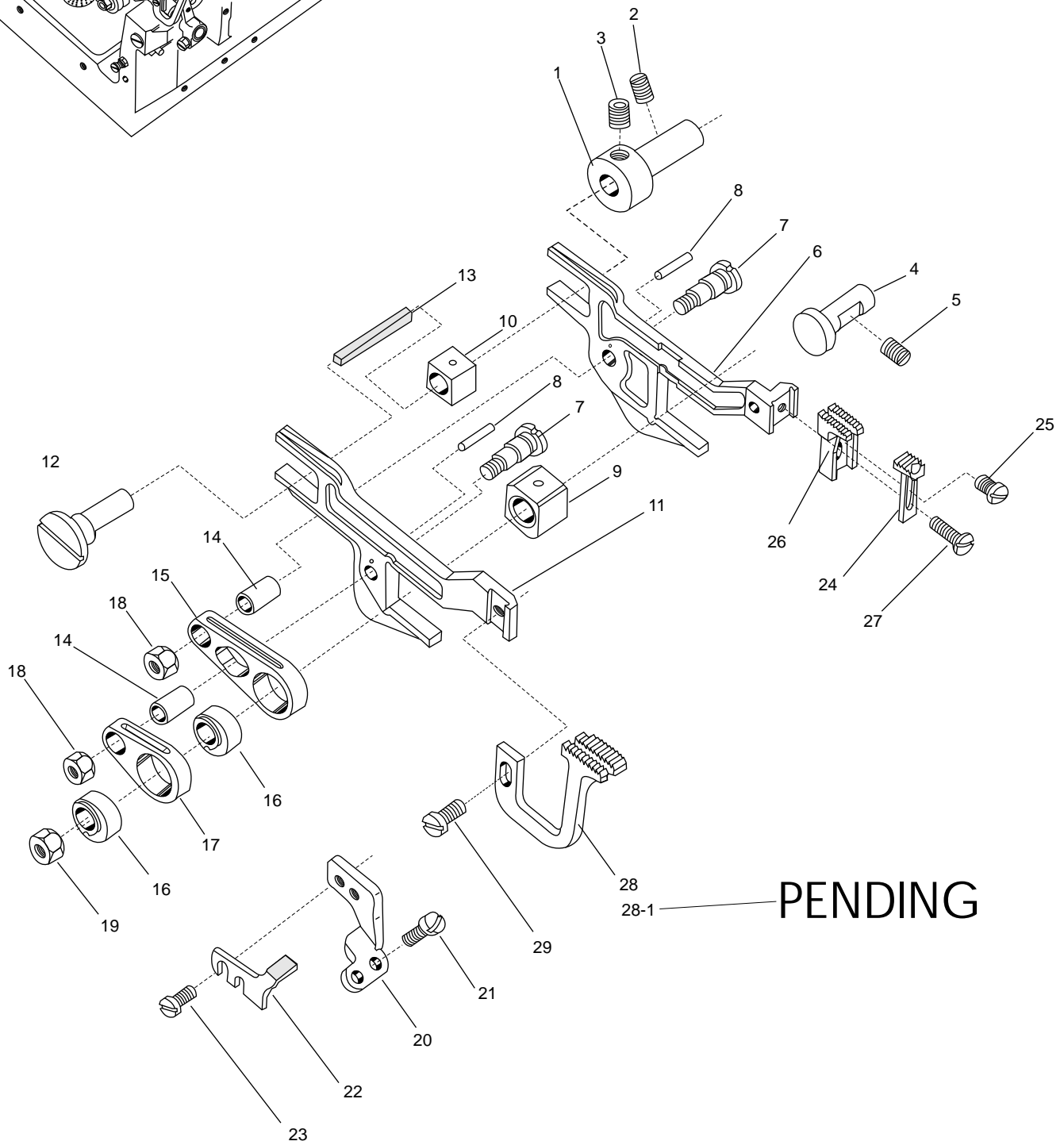
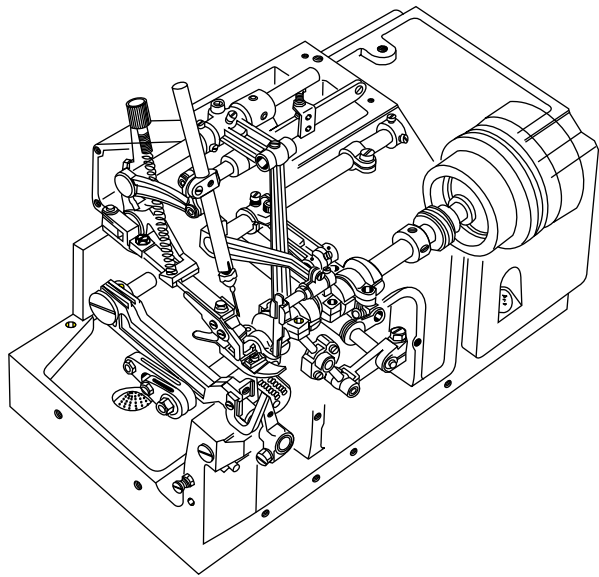
SPARE PARTS LIST OF REVO OVERLOCK MACHINE

REF. No.	PART No.	DESCRIPTION	UNITS	RATE
1	32736	PRESSER FOOT	1	1
2	32744	PRESSER FOOT STITCH TONGUE #1 FOR 3 THREAD	1	1
2-1	32743	PRESSER FOOT STITCH TONGUE #2, #3 FOR 4 THREAD	1	1
3	30619	PRESSER FOOT HINGE SPRING	1	1
4	5036	SCREW FOR STITCH TONGUE	1	1
5	32741	PRESSER FOOT HOLDER	1	1
6	34535	PRESSER FOOT CHAIN SHIELD	1	1
8	1230	SCREW FOR 34536	1	1
9	32706	CHAIN CUTTING KNIFE	1	1
10	4404	SCREWS FOR 32706	1	2
11	32735	PRESSER FOOT COMPLETE SET #1	1	1
11-1	32734	PRESSER FOOT COMPLETE SET #2, #3	1	1
12	32725	FOOT CARRIER	1	1
13	538	WASHER FOR 5509	1	1
14	5509	SCREW FOR PRESSER FOOT	1	1
15	32724	FOOT CARRIER HINGE	1	1
16	32728	FOOT CARRIER WASHER	1	1
17	5541	SCREW FOR 32725	1	1
18	335	NUT FOR 4357	1	1
19	4357	STOP SCREW FOR PRESSER FOOT	1	1
20	32722	FOOT LIFTER LEVER SHAFT	1	1
21	32723	FOOT LIFTER HINGE PIN	1	1
22	1186	SCREW FOR 32723	1	1
24	32721	PRESSER FOOT POSITIONING ARM	1	1
25	32720	FOOT LIFTER BUSHING	1	1
26	2022	SCREW FOR 32720	1	1
27	32718	FOOT LIFTER LATCH COLLAR	1	1
28	5550	SCREW FOR 32718	1	1
29	32717	INTERMEDIATE LEVER	1	1
30	32729	INTERMEDIATE LEVER SPRING	1	1
31	32719	FOOT LIFTER SMALL COLLAR	1	1
32	1459	SCREW FOR 32719	1	1
33	32714	FOOT LIFTER LEVER CONNECTING LINK	1	1
34	32715	COTTER PINS	1	2
35	32713	FOOT LIFTER LEVER SPRING	1	1
36	690	LATCH PIN FOR 32713	1	1
37	32711	FOOT LIFTER LEVER	1	1
38	6000	SCREW FOR 32711	1	1
39	32716	FOOT LIFTER LEVER STOPPER	1	1
40	9127	SCREWS FOR 32716	1	2
41	334	NUTS FOR 32711	1	2
42	5505	ADJUST SCREWS FOR 32711	1	2





PENDING

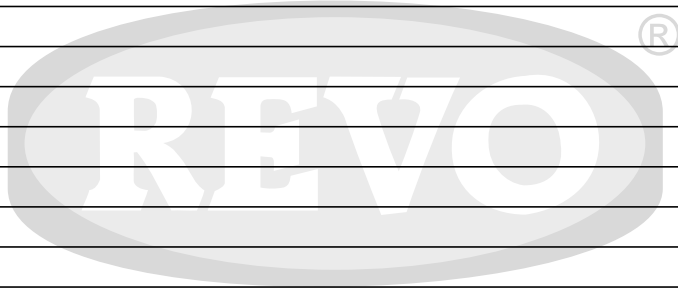


SWARUP MECHANICAL WORKS



FEED DRIVING ECCENTRICS TABLE

PART No.	DESCRIPTION	STITCH PER INDH
32821		5
32822		6
32835		7
32823		8
32824		9
32825		10
32836		11
32826		12
32827		13
32828		14
32837		15
32838		16
32829		17
32839		18
32830		19
32840		20
32841		22
32842		24
32832		26
32843		28
32844		30
32845		40
32833		50
32846		70
32847		100



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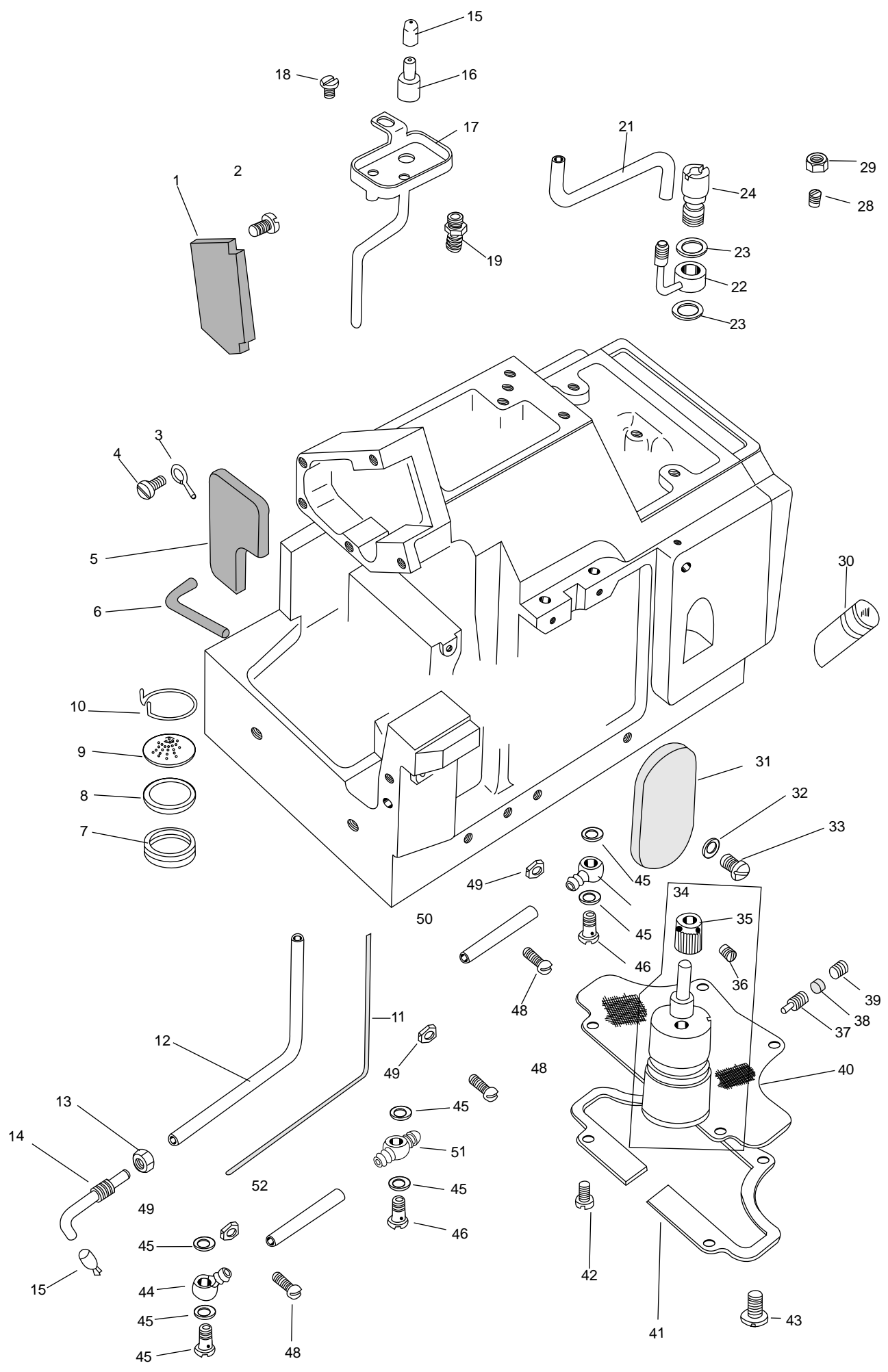
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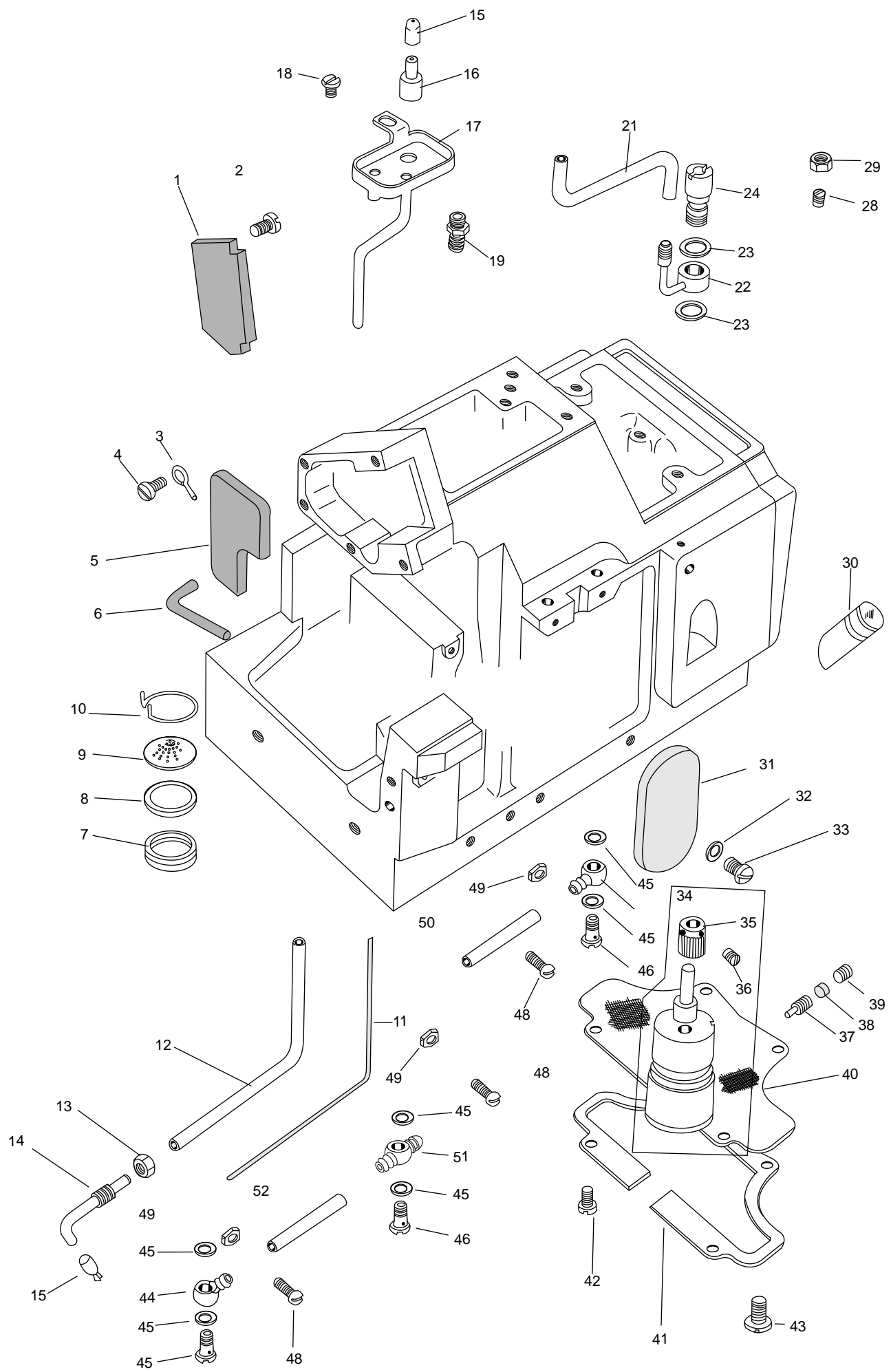


SWARUP MECHANICAL WORKS



SPARE PARTS LIST OF REVO OVERLOCK MACHINE

REF. No.	PART No.	DESCRIPTION	UNITS	RATE
1	32685	NEEDLE BAR OILING FELT (LEFT)	1	1
2	9853	SCREWS FOR 32685	1	2
3	32812	NEEDLE BAR OILING FELT RETAINER	1	1
4	9604	SCREW FOR 32812	1	1
5	32649	NEEDLE BAR OILING FELT (RIGHT)	1	1
6	-----	OIL WICK FOR NEEDLE BAR CONNECTION LINK	1	1
7	32934	ROUND OIL FILTER HOLDER RING	1	1
8	32931	ROUND OIL FILTER SCREEN (FINE MESH)	1	1
9	32933	ROUND OIL FILTER SCREEN (COARSE MESH)	1	1
10	32898	ROUND OIL FILTER SCREEN CLAMP	1	1
11	-----	OIL WICK FOR FEED DRIVING ECCENTRIC	1	1
12	32483	FEED BAR DRIVING CONNECTION OIL TUBE	1	1
13	419	NUT FOR 32480	1	1
14	32480	FEED BAR DRIVING CONNECTION OIL NOZZLE	1	1
15	37697	OIL NOZZLE CAPS	1	2
16	32479	OIL SIGHT TOP NOZZLE	1	1
17	32476	OIL RECEIVER	1	1
18	9604	SCREW FOR 32476	1	1
19	9909	OIL TUBE FITTING NUT	1	1
20	37675	OIL TUBE CLAMPS (SMALL)	1	2
21	32850	OIL TUBE 150	1	1
22	32376	OIL RELIEF VALUE FITTING TUBE	1	1
23	509	SEALS FOR 32376	1	2
24	32938	OIL RELIEF VALUE	1	1
28	6861	ADJUST SCREW FOR 30745	1	1
29	419	NUT FOR 30745	1	1
30	32417	OIL SIGHT GAUGE	1	1
31	32806	UPPER LOOPER BAR OILING FELT	1	1
32	550	WASHERS FOR 32806	1	2
33	4353	SCREWS FOR 32806	1	2
34	32929	OIL PUMP COMPLETE SET	1	1
35	30711	OIL PUMP DRIVING WORM GEAR	1	1
36	1459	SCREWS FOR 30711	1	2
37	6330	SCREW FOR 32929	1	1
38	926	SEAL FOR 32929	1	1
39	9503	SCREW FOR 32929	1	1
40	32935	UNDER PUMP OIL FILTER SCREEN	1	1
41	32937	UNDER PUMP OIL FILTER SCREEN CLAMP	1	1
42	4358	SCREWS FOR 32937	1	2
43	4351	SCREWS FOR 32937	1	2
44	37669	OIL TUBE FITTINGS ONE WAY END	1	2
45	567	SEALS FOR 37668, 37669	1	6



SWARUP MECHANICAL WORKS



SPARE PARTS LIST OF REVO OVERLOCK MACHINE

REF. No.	PART No.	DESCRIPTION	UNITS	RATE
46	7668	OIL TUBE FITTING STUDS	1	3
50	32948	OIL TUBE 47	1	1
51	37668	OIL TUBE FITTING TWO WAY END	1	1
52	32949	OIL TUBE 58	1	1

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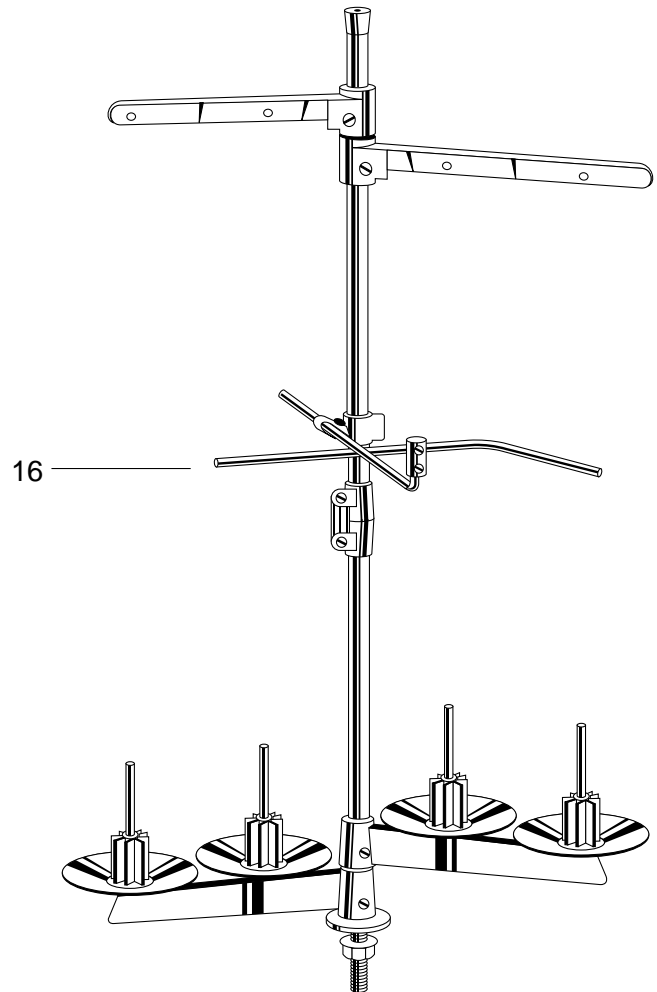
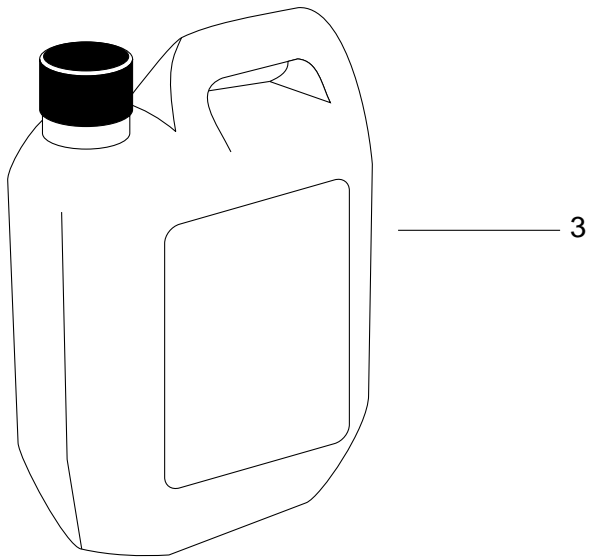
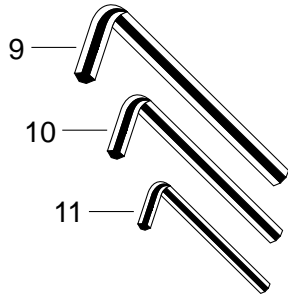
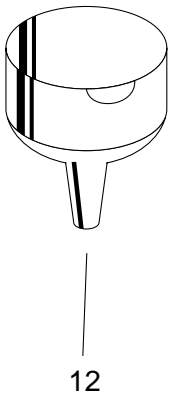
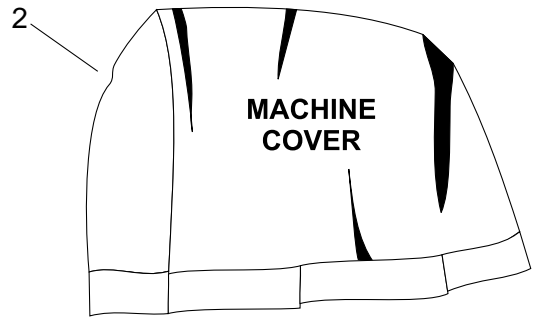
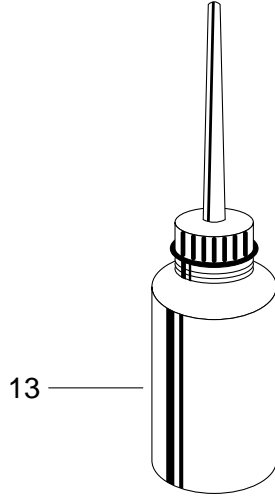
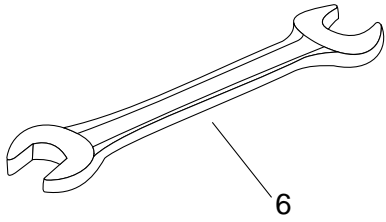
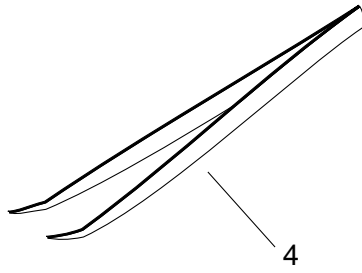
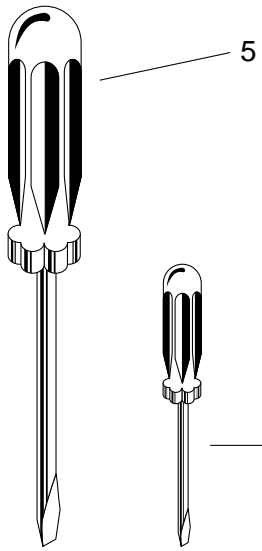
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