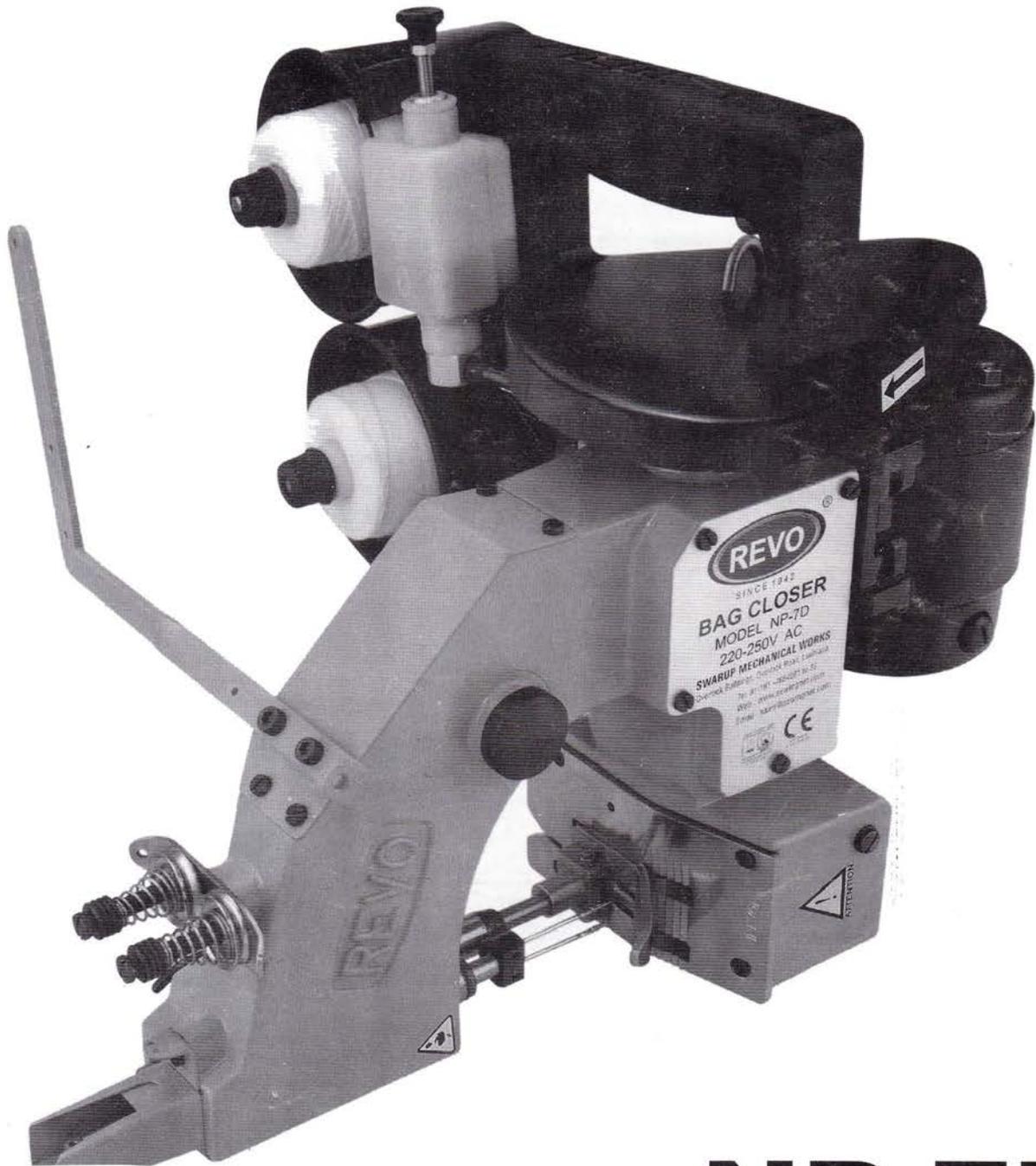


INDIA'S LARGEST INDUSTRIAL SEWING MACHINES MANUFACTURER



NP-7D

PARTS MANUAL

INDEX

1. SPECIFICATION	1
2. PREPARATION FOR START	5
1. Oiling	
2. Needle Setting	
3. Threading	
3. START	9
4. ADJUSTMENTS	10
1. Thread Tension	
2. Position of Needle and Loper	
3. Position of Feed Dog	
4. Pressure of Presser Foot	
5. REPLACING PARTS	11
6. MAINTENANCE AND LUBRICATION	12-13
7. LUBRICATOR	14
1. Operation	
2. Maintenance	
3. Troubleshooting	
8. ORDERING PARTS	15
9. THREAD TENSION AND COVER PARTS	19-20
10. BUSHING AND OILING PARTS	21-22
11. NEEDLE BAR, PRESSER BAR AND DRIVING PARTS	23-26
12. LOOPER DRIVING PARTS	27-28
13. FEED DRIVING AND THREAD CUTTER PARTS	29-30
14. MOTOR AND HANDLE PARTS	31-32

1. SPECIFICATIONS

TECHNICAL DETAILS

Speed (sec/bag).....	5-6
Seam.....	Single Thread Two Parallel Chain Stitch
Stitch Range (mm.).....	7.2 (fixed)
Revolution (rpm.).....	1,600±125
Needle.....	DN x 1-# 25
Thread (vinylon, synthetic or cotton)	20/6
Drive Motor.....	60W
Power Supply	110,220 or 240V.,A.C. 12V,24V., D.C. (specify one.) 50-60Hz, Single Phase
Net Weight (Kg)	8kg Including Two Thread Cone and 12ft. wire code
Machine Dimension (mm.).....	360(L) x 245(W) x 315 (H)
Packing Dimension (cft.).....	2.5

POWER SUPPLY

Countries	Specified Volts	Frequency
Argentina, Australia, Austria, Belgium, Korea South, Malaysia, New Zealand, China, France Germany, Greece, South Africa, India, Italy United Arab Emirates, United Kingdom etc.	220 ± 10% Volts	50Hz
Belize, Brazil, Colombia, Canada, Mexico Dominican Republic, Honduras, Japan, Serbia & Montenegro, Taiwan, U.S.A. Etc.	110 ± 10% Volts	60Hz

Power CableSize 23/76 Three Core PVC Flexible

Material Thickness 15mm max.

Note : The machine is capable of sewing on materials with thickness upto 15 mm, making them ideal for use on heavy and thick materials.

Accessories Box Items

S. No.	Description	Qty.
1.	Needles DN x1-# 25.....	2 pcs.
2.	Thread Cone.....	2 roll
3.	Screw Driver.....	1 pc.
4.	Allen Key.....	5 pcs.
5.	Oil Can.....	1 pc.
6.	Looper.....	2 pcs.

*The part list is subject to change without prior notice.

For Operator Safety

Thanks you for purchasing the REVO Model NP-7D Portable Bag Closer.

- ◆ This manual contains the instructions and precautions for using the Model NP-7D Portable Bag Closer. Be sure to read and understand this manual before use and use the machine correctly.
- ◆ Keep this manual near the sewing machine for easy reference. Be sure to attach this manual to the machine when lending or transferring it to another person or company.
- ◆ Please order this manual from the nearest REVO office if it is lost.
- ◆ The contents of this manual are subject to change without prior notice for improvement and safety purpose.



Instructions with this mark are especially important for operator safety. Be sure to observe these marked instructions.

Hazard of Being Caught in the Machine

Be careful, when you insert a bag to be closed into the sewing machine, or your fingers may be caught in the machine between the presser foot and feed dog.

A “Hazardous” mark is attached to the machine. When sewing, be sure to support the bag with the hand from beneath the sewing head and not to touch on the machine.

WARNING

PERSONAL INJURY MAY RESULT IF THE FOLLOWING SAFETY PRECAUTIONS ARE NOT OBSERVED.

- ◆ BE SURE THE AREA SURROUNDING MACHINE IS FREE OF ALL HAZARDS SUCH AS FIRE, WATER, OIL, RUBBISH OR ANYTHING THAT CAN CAUSE INJURY.
- ◆ DO NOT OPERATE MACHINE IN AN EXPLOSIVE AREA OR UNDER WET CONDITIONS. THE MACHINE IS NOT AN EXPLOSION-PROOF TYPE NOR WATER PROOF TYPE.
- ◆ DO NOT OPERATE MACHINE BEFORE READING INSTRUCTION MANUAL.
- ◆ DO NOT OPERATE MACHINE ON VOLTAGES OTHER THAN SPECIFIED FOR THE MACHINE.
- ◆ BE SURE MACHINE IS CONNECTED TO BUILD ELECTRICAL SAFETY GROUND (EARTH).
- ◆ BE SURE POWER SUPPLY IS OFF BEFORE PERFORMING MACHINE MAINTENANCE, PARTS REPLACEMENT, ADJUSTMENTS OR CLEANING.
- ◆ DO NOT OPERATE MACHINE WHEN GUARDS AND COVERS REMOVED.
- ◆ DO NOT TOUCH KNIFE, NEEDLE, PULLEY, BELT AND MOVING PARTS WHEN MACHINE IS IN OPERATION.
- ◆ BE SURE MACHINE IS PLACED ON A SMOOTH (LEVEL) SURFACE WHEN PERFORMING MAINTENANCE, PARTS REPLACEMENT, ADJUSTMENTS, CLEANING OR STORAGE.
- ◆ BE SURE THE AREA SURROUNDING MACHINE IS FREE OF ALL HAZARDS SUCH AS FIRE, WATER, OIL, RUBBISH OR ANYTHING THAT CAN CAUSE INJURY.
- ◆ DO NOT OPERATE MACHINE IN AN EXPLOSIVE AREA OR UNDER WET CONDITIONS. THE MACHINE IS NOT AN EXPLOSION-PROOF TYPE NOR WATER PROOF TYPE.
- ◆ DO NOT OPERATE MACHINE BEFORE READING INSTRUCTION MANUAL.
- ◆ DO NOT OPERATE MACHINE ON VOLTAGES OTHER THAN SPECIFIED FOR THE MACHINE.

- ◆ BE SURE MACHINE IS CONNECTED TO BUILD ELECTRICAL SAFETY GROUND (EARTH).
- ◆ BE SURE POWER SUPPLY IS OFF BEFORE PERFORMING MACHINE MAINTENANCE, PARTS REPLACEMENT, ADJUSTMENTS OR CLEANING.
- ◆ DO NOT OPERATE MACHINE WHEN GUARDS AND COVERS REMOVED.
- ◆ DO NOT TOUCH KNIFE, NEEDLE, PULLEY, BELT AND MOVING PARTS WHEN MACHINE IS IN OPERATION.
- ◆ BE SURE MACHINE IS PLACED ON A SMOOTH (LEVEL) SURFACE WHEN PERFORMING MAINTENANCE, PARTS REPLACEMENT, ADJUSTMENTS, CLEANING OR STORAGE.
- ◆ BE SURE THE MATERIAL TO BE SEW OR CLOSED COMPLIES WITH THE MACHINE SPECIFICATION.
- ◆ DO NOT USE SPARE PARTS OTHER THAN "REVO" GENUINE PARTS.
- ◆ USE OF THE EAR PLUG DURING OPERATING MACHINE IS ESSENTIAL.



Special Instructions

1. This machine is not intended for use elsewhere bag closing application.
2. This machine can be used for all Kinds of multi - wall paper, jute, burlap, cotton, hessian, woven bags etc.
3. Do not use this machine on Rubber coated bags.
4. Do not use this machine in wet conditions.
5. The machine can be operated completely portable or it can be used with suspension unit with hanging hook during operating the machine. (Here picture can be used for better under Standing).
6. Use this machine with a minimum 4 mtrs. Length of power card.
7. Do not use this machine where the material thickness is more than 15 mm.
8. Do not run on three phase connection.
9. Use machine under suitable lighting.
10. Use suspension unit with hanging hook to avoid fatigue of operator.
11. Use of ear plugs is essential.
12. Do not use machine in wet conditions.
13. Do not use this machine without rubber shoes.

2. PREPARATION FOR START

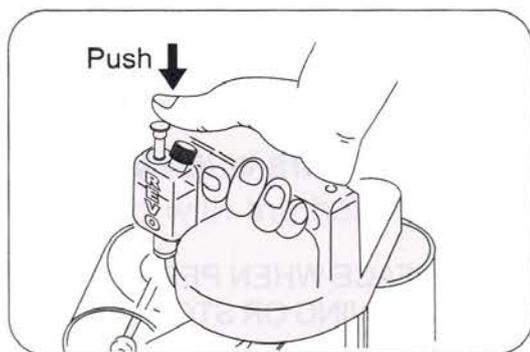


Fig. 1

1. Oiling (fig.1)

Oiling is imperative to keep the machine in good operating condition. Fill Oil in the reservoir (capacity 45cc). To feed oil, push the button of the lubricator. One push feeds 0.08cc of oil, which would normally service for several hours of operation. Do not run the machine out of oil, otherwise it will break down.

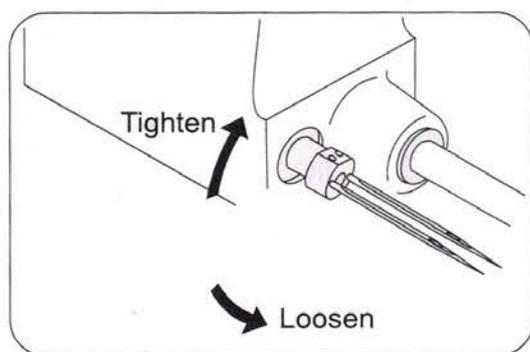


Fig. 2

2. Needle Setting (Fig. 2, 3, 4)

Turn the pulley until Needle Bar reaches its highest position. Loosen Needle Bar Clamping Nut, and set Needle in the Bar as deep as it will go.

Be sure to set a Needle with its concave part facing correctly toward the Loper. Fix Clamping Nut tightly, otherwise Needle may come loose during operation and break.

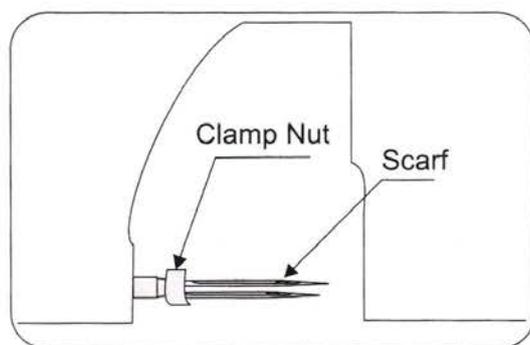


Fig. 3

3. Threading (Fig.5)

The machine is delivered being threaded to show you proper threading of the machine, which is shown in Fig. 5, for identification. Follow the guide numbers 1 to 6 of Fig. 5.

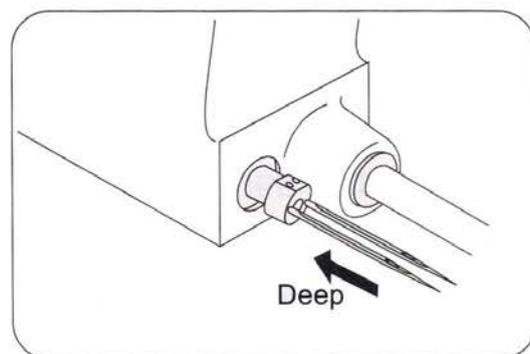


Fig. 4

How to Close A Paper Bag

HOW TO CLOSE A BAG

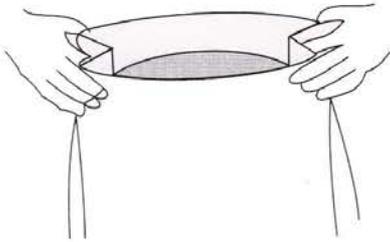


Figure No. 1

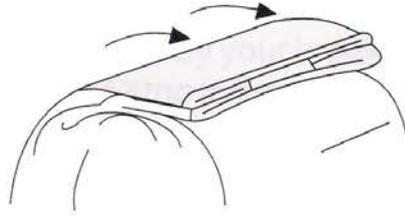


Figure No. 2

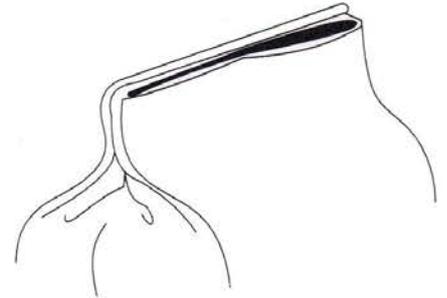


Figure No. 3

After bag is filled, weighed and ready for closing, the operator should first reform gussets.

See Fig. No. 1

Then, fold or "break" top of bag sharply over contents. See Fig. 2

Bring top of bag upright closing position. The sides should be closed together, smooth and wrinkle-free. See Fig. No.3.

Proceed with sewing operation, **but sewing no more than two inches down from top of bag.**

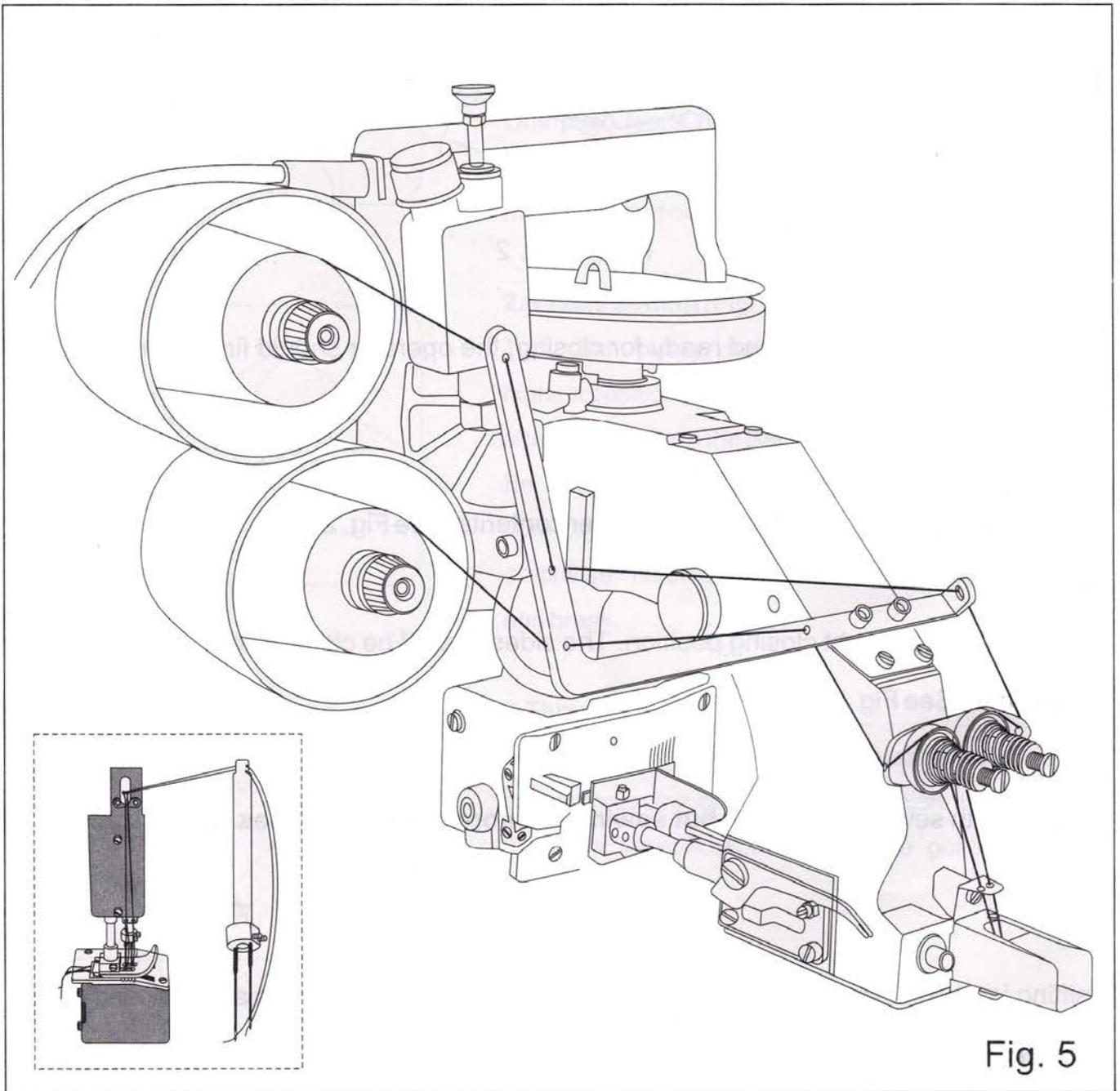
If sifting is a problem, merely tuck in the inner ply tightly over contents and proceed to sew remaining plies.

NOTE : Sufficient top is necessary to properly "break" bag.

Important! Always sew well above contents of bag. Never interfere with the feeding of the machine as it sews across the bag, by either pulling it, holding it back, or pulling up.

The machine is delivered threaded for identification.

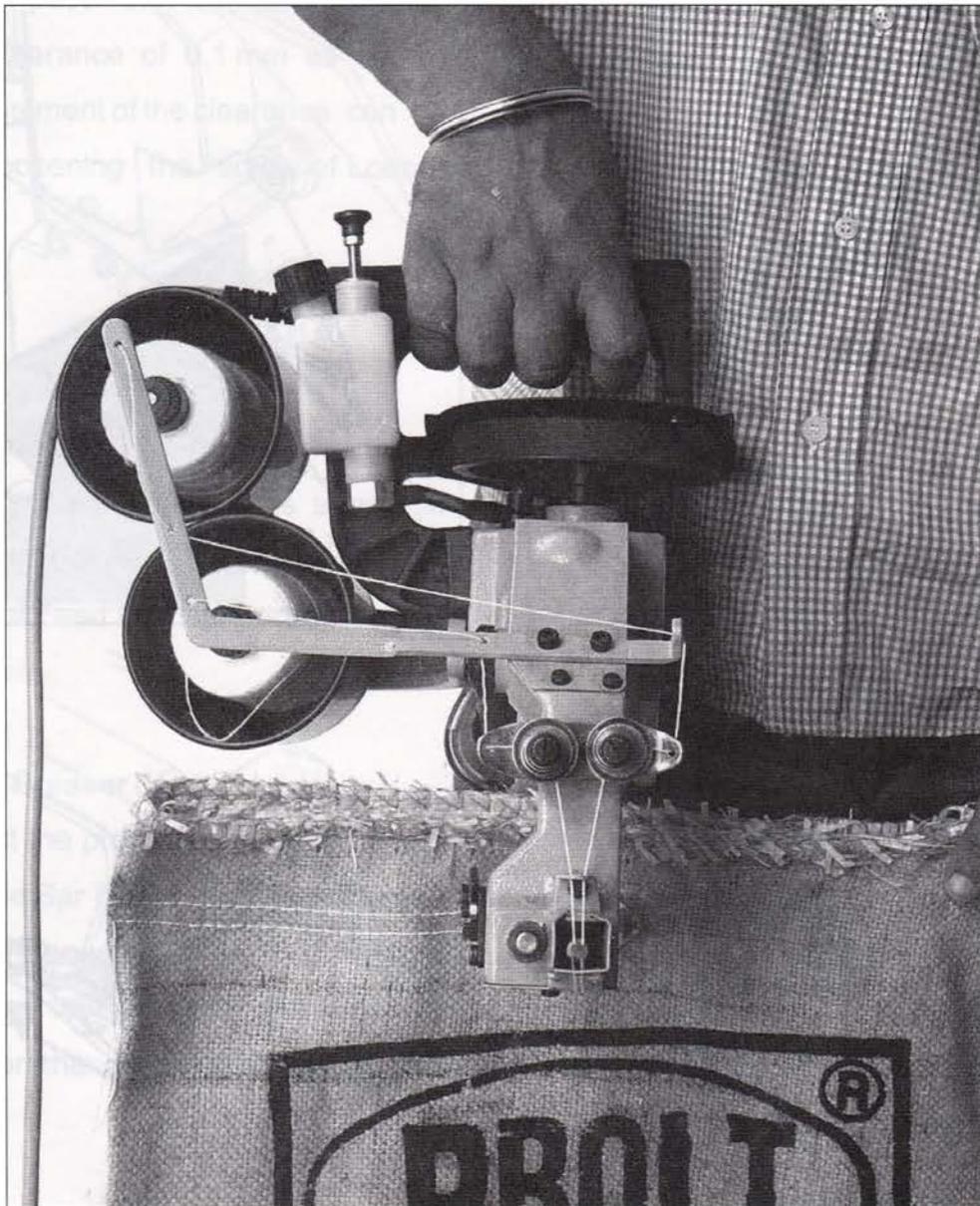
The illustration below shows the procedure for threading the machine correctly.



- | | |
|--------------------------|------------------|
| 1. Thread Eyelet | 5. Needle Bar |
| 2. Thread Tension Eyelet | 6. Thread Eyelet |
| 3. Tension disc | 7. Needle |
| 4. Thread Eyelet | |

Operation/Handling

1. Hold the machine at the handle in your right hand.
2. Support the bag slightly by your left hand and insert the edge of a bag between presser foot and feed dog.
3. Push the switch button or the handle by your index finger to stitch the bag. Apart your Index finger from the push button stop to the machine.
4. After stitching, the plain chain stitch with 1-2 inches in length shall be pressed down in The groove of throat plate to be cut down by knives mounted on the machine.



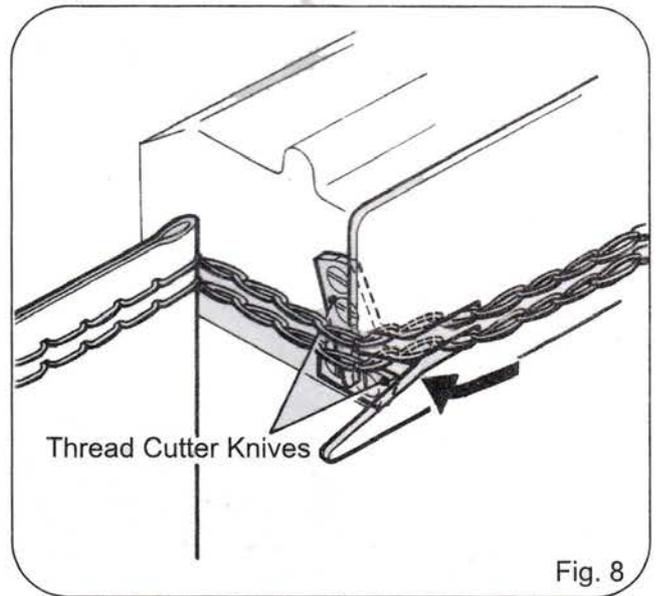
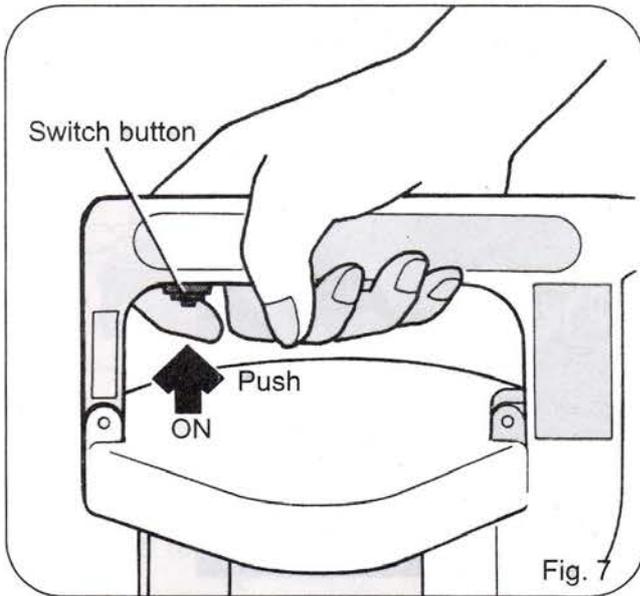
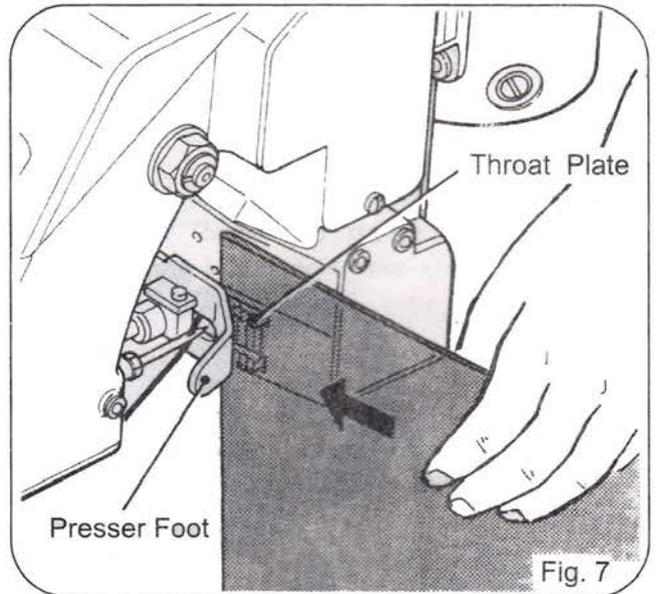
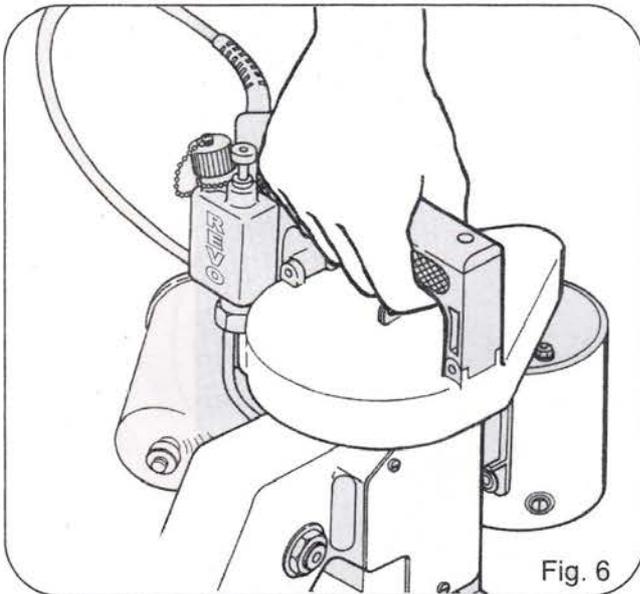
< Caution >

Stitch the bag synchronize with the speed of feed dog. If the bag is pulled out faster than that of feed dog. It causes mis-stitch or needle break holding of bag.

3. START

Before starting, make sure that the supply voltage accords with the specification of the motor. Hold the machine in your right hand and place your index finger on the switch button on the handle. (Fig.6) Hold the bag in your left hand lightly and insert the bag mouth between Feed Dog and Presser Foot (Fig.7)

Run the machine while keeping the bag straight. Never pull or pull back the bag. After closing the thread is cut by the built in nibbler type cutter. When cutting the thread, leave at least 3 cm long extended tail to prevent the unwilling loosening of the seam. (Fig.9)



Run the machine with empty bags and make sure you are well versed in its operation before entering into actual operation.

4.AJUSTMENTS

1. Thread Tension

Thread tension is adjustable by turning the Thread Tension Nut,

Turn the Nut clockwise for tighter tension and counter clockwise for looser.

2.Position of Needle and Loper (Fig.10)

Looper must pass the concave part of Needle with clearance of 0.1 mm as shown in Fig.10. Adjustment of the clearance can be done after loosening the screw of Loper Rocker.

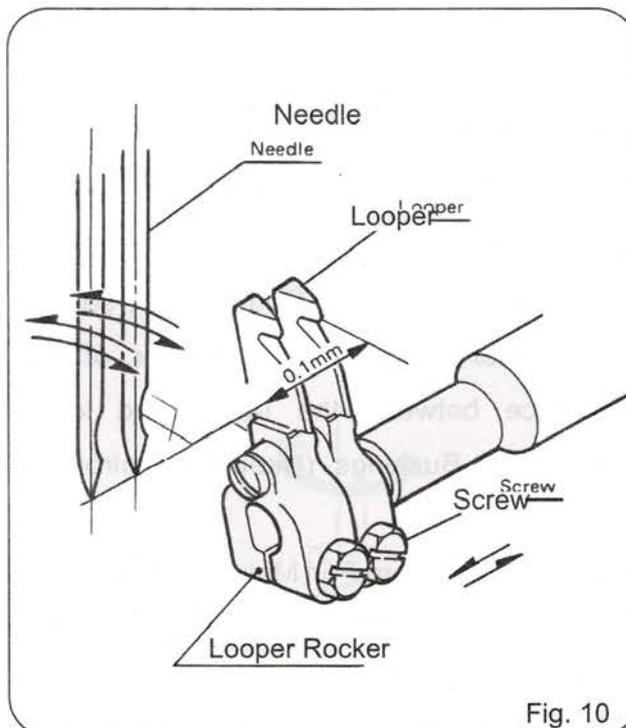


Fig. 10

3.Position of Feed Dog

Feed Dog Should be 2.5 mm above throat plate at its highest position as shown in Fig.11. The height of Feed Dog is determined by the height of Feed Dog support Screws (4 pcs. in all).

4. Pressure of Presser Foot

When to adjust the pressure of Presser Foot, take out Needle Bar Guard and loosen Screw of Presser Bar Connection. Move up Presser Bar to increase the pressure and down to decrease. After the adjustment, tighten the Screw firmly.

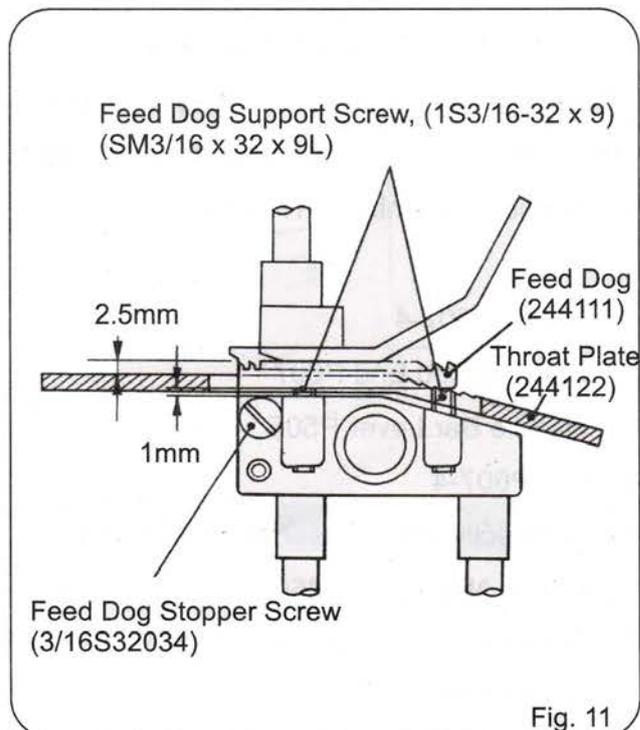


Fig. 11

5. REPLACING PARTS

For replacement or adjustment of Ball Rod, refer to Fig. 12.

Take out Screw 1 and disconnect Rod End 2 from Needle Bar Lever 3 After loosening the Nut 4 adjust the clearance between Connecting Rod 5 and Rod End 2 , so that Needle Bar moves in the center of the clearance between the upper and lower Presser Bar Bushings. (Needle Bar stroke is 37 mm).

To fix Eccentric Cam 7 on Main Shaft 8 , tighten the Screws 9 and 9 on Main Shaft 8 (Eccentric Cam 7 should contact Spacer 10 slightly.)

The position of Needle is adjusted so that the distance between the point of Needle (at its highest position) and Throat Plate is 13 mm , after loosening screw on Needle Bar Connection Assembly 6 in Fig. 12.

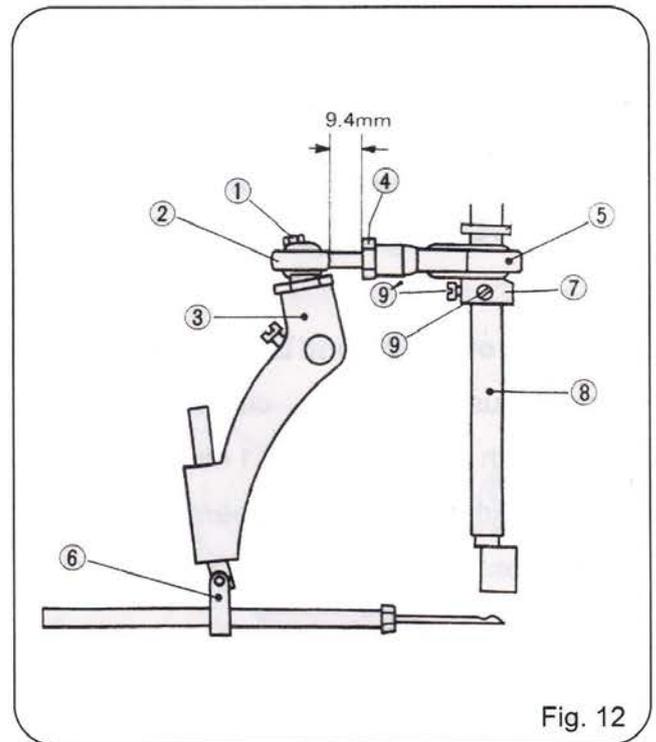


Fig. 12

- 1 Screw P607-4
- 2 Bearing Rod End P607
- 3 Needle Bar Lever P505
- 4 Nut P607-4
- 5 Connecting Rod Assembly P242011A
- 6 Clamp Needle Bar P502
- 7 Big Ball for P610 (P610-1)
- 8 Main Shaft P600
- 9 Screw P606

5. REPLACING PARTS

Adjust Looper Drive Cam ③ when necessary as follows : (Refer to Fig. 13.).

- a) Apply the Screw ② and ② on the taper of Main Shaft ① .
- b) Adjust Arm (B) ④ , so that Looper Drive Cam ③ and Arm (A) ⑤ move smoothly . After adjusting, fix the Screw ⑥ tightly.
- c) The clearance between Looper Drive Cam ③ and Arm ⑤ is effected by Spring ⑦ Loosen Screw ⑨ and turn Spring Supporter ⑧ to adjust the pressure of Spring ⑦ After adjusting, tighten the Screw ⑨ to fasten Spring Supporter ⑧

- 1 Main shaft P241101
- 2 ② Screw P28524
- 3 Looper Drive Cam P243012
- 4 Looper Rocker Shaft Arm (B) P243081
- 5 Looper Rocker Shaft Arm (A) P243071
- 6 Screw for Looper Rocker Shaft Arm (B) P40009
- 7 Spring P243131
- 8 Spring Supporter P243121
- 9 Screw for Spring Supporter Block P40035
- 10 Spring Supporter Block P243111

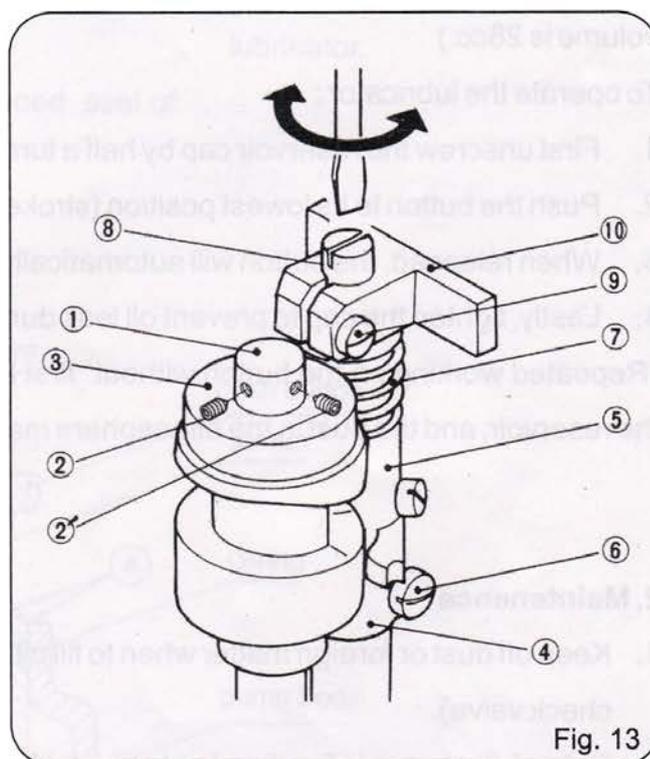


Fig. 13

6. MAINTENANCE & LUBRICATION

Clean the machine at the end of the day's work. Wipe dust and other foreign matter off the Feed Dog teeth Looper and Throat Plate eyelets where they are easily gathered.

Care should be taken to keep the machine free from rust, especially when to leave it unused for some time.

Recommended lubricants are shell X-100, Motor. Oil 10W / 30, shell Vitria Oil 31 or the equivalent. For operation and maintenance of the lubricator, refer to section 7.

Important!

When adjusting the machine or replacing parts, always disconnect the Electric Cord from the power source. This is important in view of safety to the operator and adjuster.

7. LUBRICATOR

1. Operation

The lubricator comprises a pump and a reservoir. The reservoir holds max 45 cc of oil. (Effective oil volume is 28cc.)

To operate the lubricator :

1. First unscrew the reservoir cap by half a turn.*
2. Push the button to its lowest position (stroke : 12mm).
3. When released, the button will automatically return to its original position.
4. Lastly, tighten the cap to prevent oil leak during operation.

*Repeated working on the button without first loosening the cap may produce negative pressure in the reservoir, and the dust in the atmosphere may be easily introduced in it when the cap is loosened.

2. Maintenance

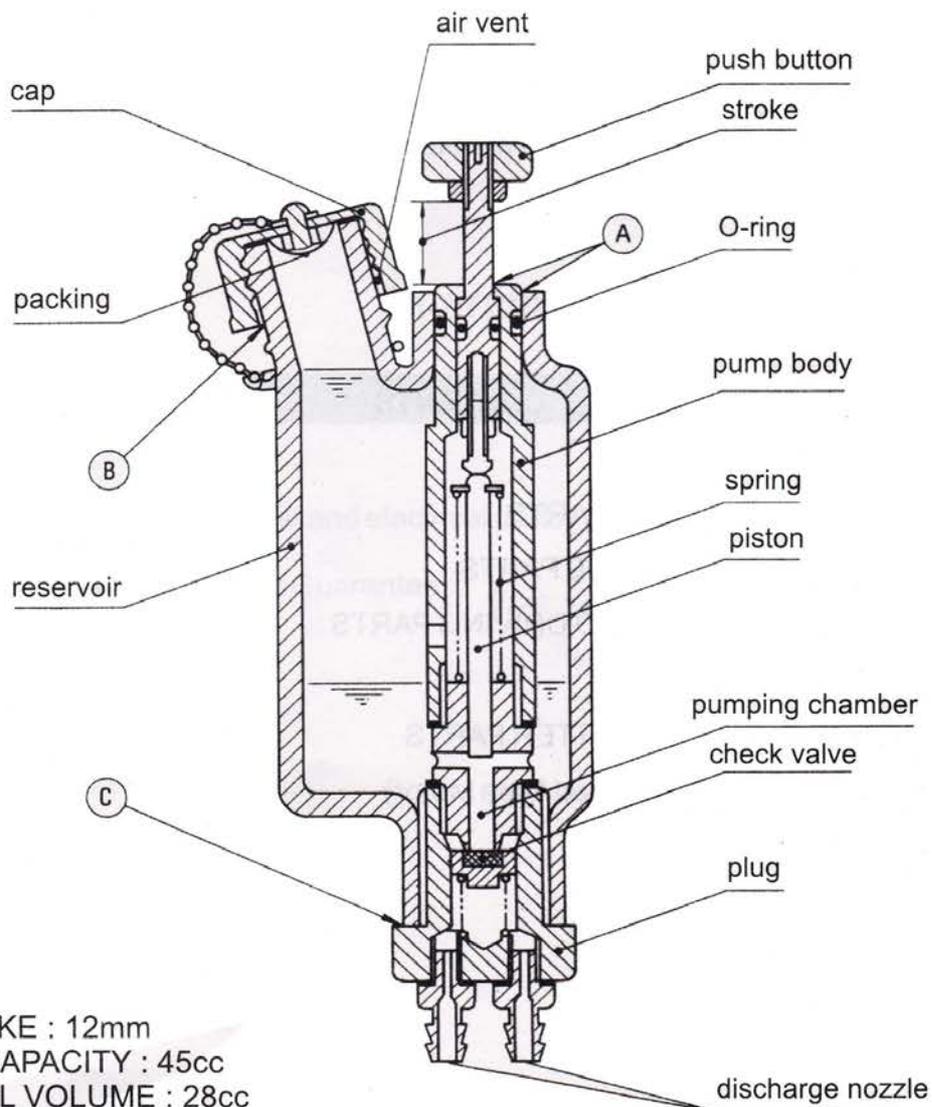
1. Keep off dust or foreign matter when to fill oil (They may cause jamming of the piston and the check valve).
2. Rate of discharge is fixed and not adjustable (0.08 cc per push).
3. At high temperatures, grease may run along points A This is normal, grease being used when the lubricator was assembled in our plant.
4. Reservoir is made of high density polyethylene. Keep off fire and refrain from using organic, benzene, or xylene chemicals for cleaning.

Check periodically for correct working of the pump. (Repeat oil feed and look at the oil through the discharge pipe.)

3. Troubleshooting

Trouble	Cause	Remedy
Oil not fed.	Low oil level.	Fill oil.
Full stroke movement not obtainable.	Dust attached on the interior wall of the pumping chamber.	Replace lubricator.
Button will not return. Oil leak from (A)	Dust accumulated, or break of spring.	Replace lubricator.
Oil leak from (B)	Wornout or displaced seal of O-Ring.	Replace lubricator.
Oil leak from (C)	Wornout or displaced seal of packing.	Tighten plug or replace lubricator.
	Loose plug.	

PUSH-BUTTON LUBRICATOR Model : NP-7D



PISTON STROKE : 12mm
 RESERVOIR CAPACITY : 45cc
 EFFECTIVE OIL VOLUME : 28cc
 DISCHARGE RATE : 0.08cc per push

8. ORDERING PARTS

The parts list showing all the parts used in the machine is included in this book.

Check the list, and specify parts numbers and quantities required clearly.

Send your order to the nearest agent, distributor or one of our branch offices.

1. Description of each part and its stamp number is described in this parts list. Screws and nuts for parts are shown adjacent to the relevant parts. When ordering parts, describe clearly stamp number with its name of part.
2. The parts which have no Ref. Number can not be delivered independently: always order it as an assembly.
3. A set of assembled parts is represented by the stamp number of its main parts.
4. The last figure in the parts stamp number advances on each improvement of the parts.
5. Part No. described in [] of Remarks means old part No.

*The part list is subject to change without prior notice.

CONTENTS

(1) THREAD TENSION AND COVER PARTS	12
(2) BUSHINGS, OILINGS AND HANDLE PARTS	14
(3) NEEDLE BAR, PRESSER BAR AND DRIVING PARTS	16
(4) LOOPER DRIVING PARTS	20
(5) FEED DRIVING AND THREAD CUTTER PARTS	22
(6) MOTOR PARTS (For Totally Enclosed Type Motor)	24

CARE OF MOTOR

Brushes should be inspected at regular intervals so that wear can be detected and replaced before they are about 1/8" in length.

To remove brushes, take out two cap screws from each side of motor, when replacing brush, be sure it is replaced at the same axial position as removed. Spare brushes are provided with machine and can be purchased from us or our authorised distributors/dealers.

Motors do not operate properly unless the bearings are kept well lubricated. Ball bearings are sealed with grease sufficient for a period from one to two years, depending on the service given by the motor and temperature of the room in which it operates. To refill, remove the end caps covering the bearing and clean out the old grease before applying new grease.

Motor Protection Due to Overload/Overvoltage

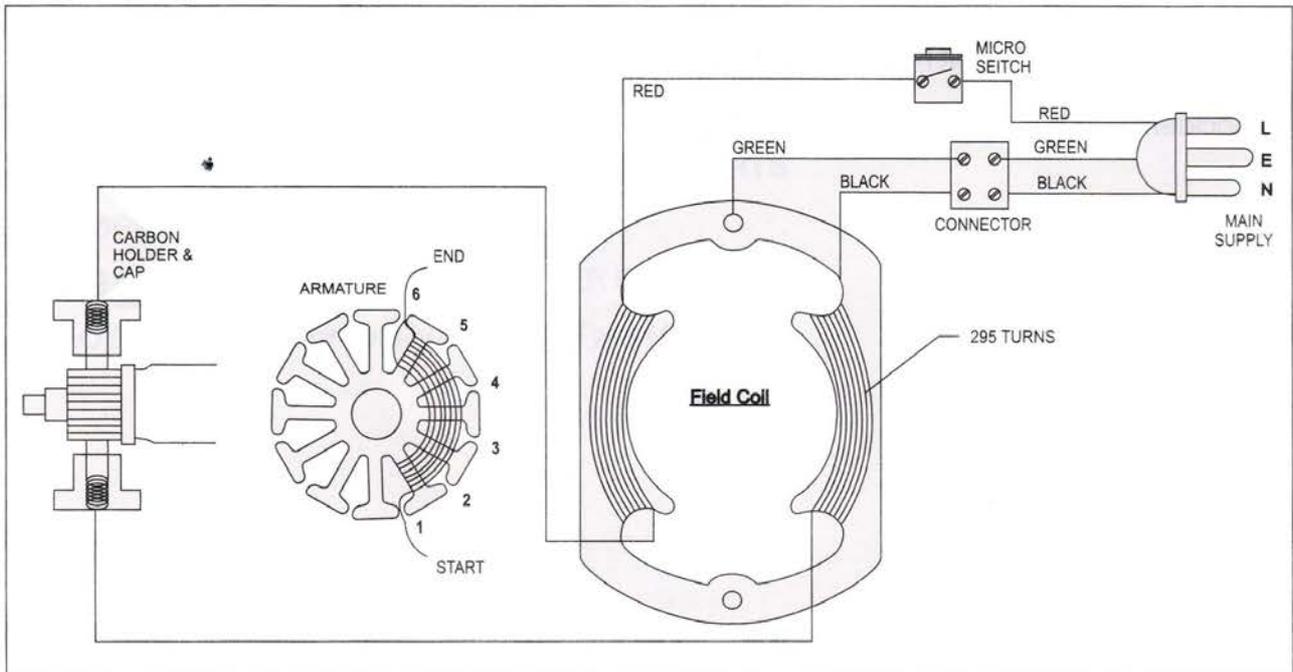
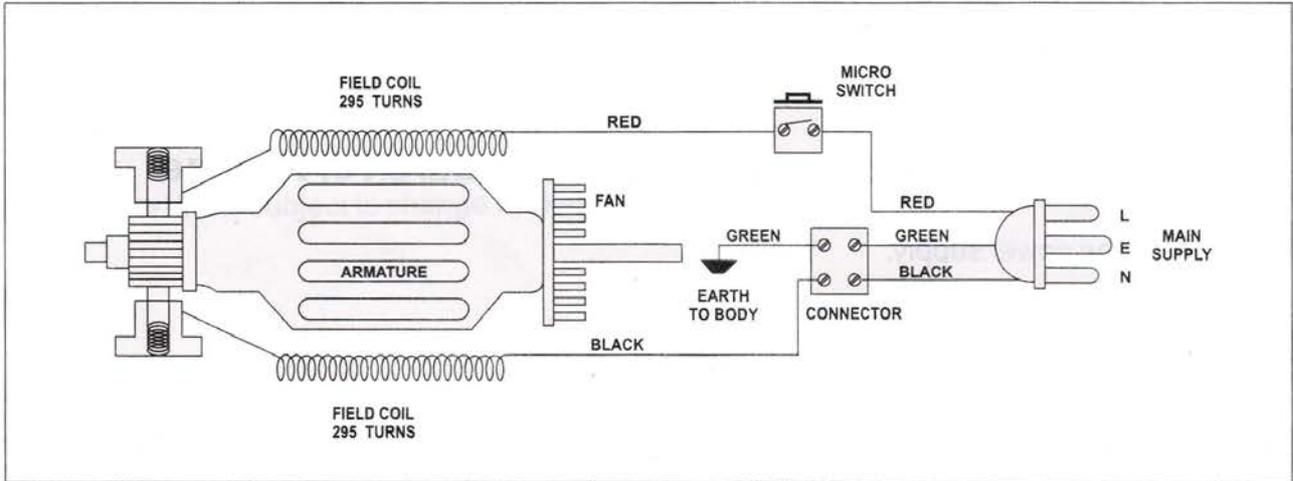
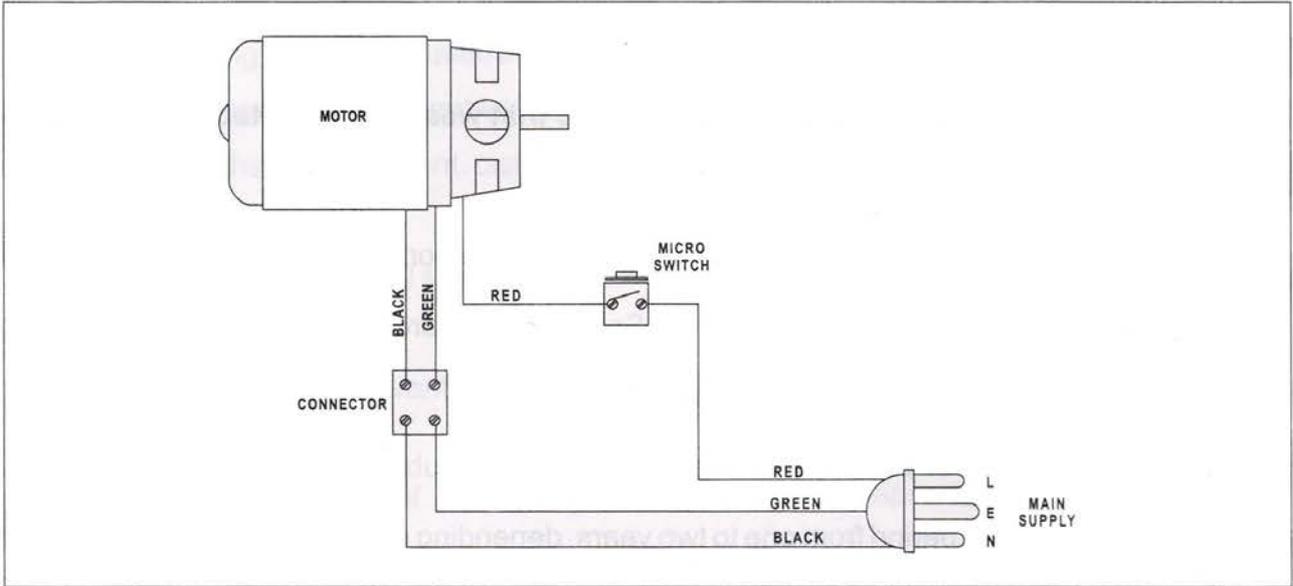
MCB install on the power supply.

Guarantee

All Revo[®] machines are warranted against manufacturing defects for 90 days from the date of purchase.

- ◆ No Guarantee against Rubber and electrical parts.
- ◆ Accident / Broken not Cover in Guarantee

Wiring Diagram



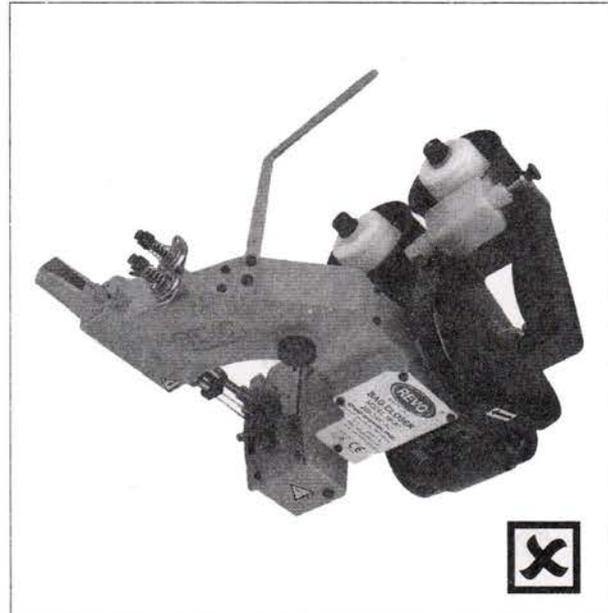
Transportation

Store the machine in dry area.
Ideal position to keep this machine is as under

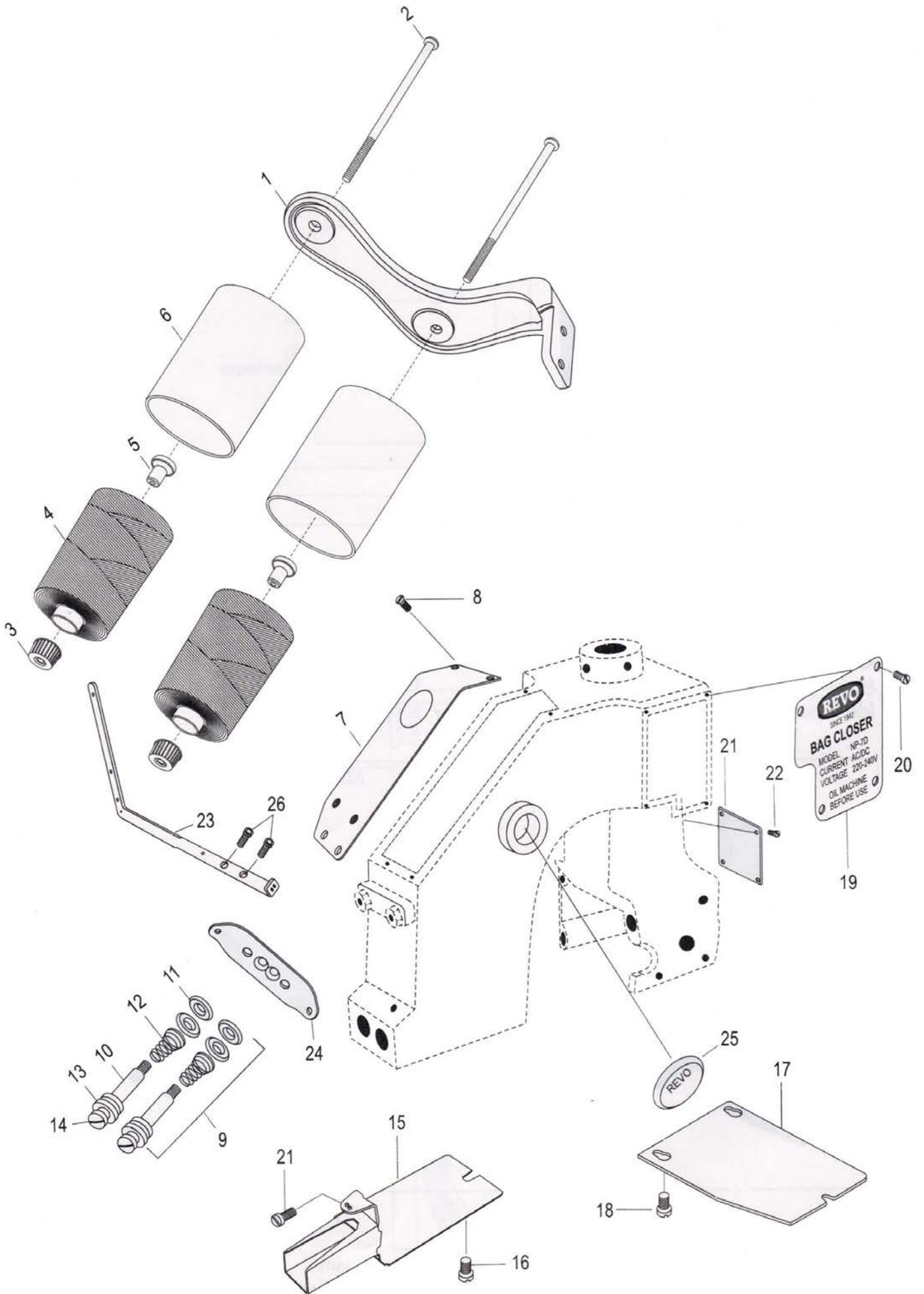


Storage

Store the machine in dry area.
Ideal position to keep this machine is as under

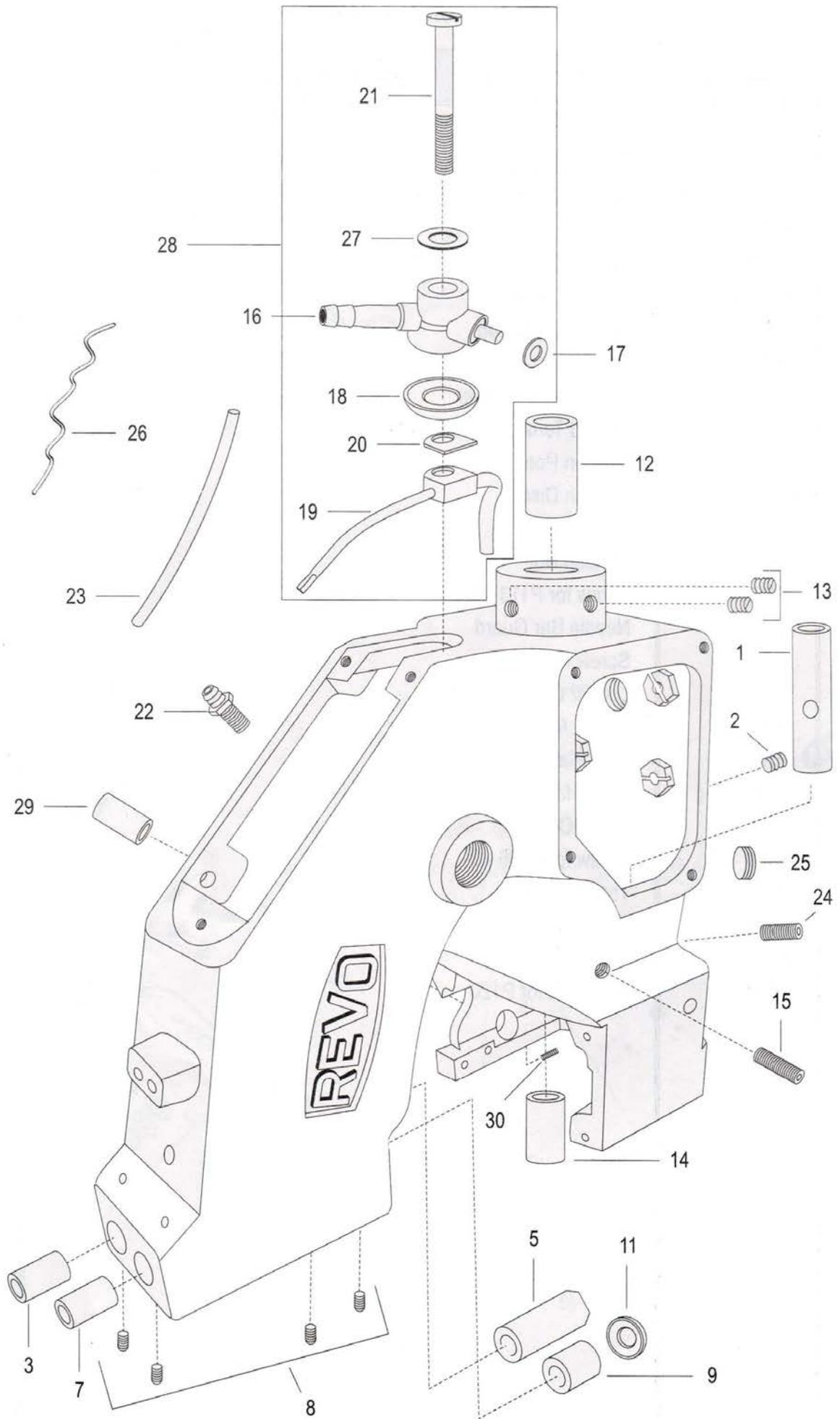


Please study this manual before operating the machine



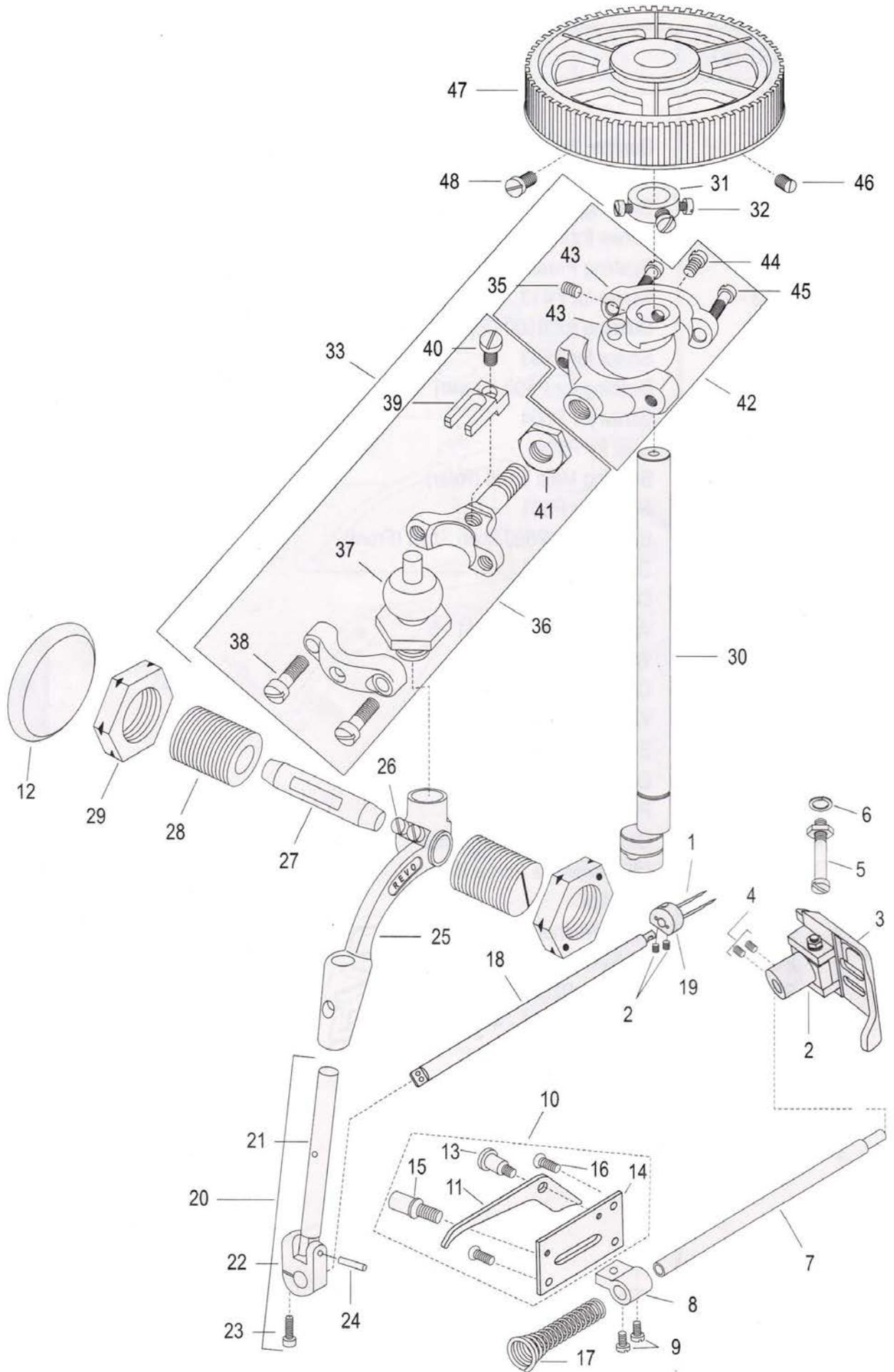
(1) THREAD TENSION AND COVER PARTS

INDEX	PART NO.	DESCRIPTION	QNTY.
1	P815	Thread Stand	1
2	P804	Bolt for Thread Clumping	2
3	P805	Nut	2
4	P810P	Thread Cone 1000 meter	1
5	P807 - 1	Rubber Clump	1
6	P807	Thread Cone Cup	1
7	P119	Top Cover	1
8	P119 - 1	Screw for Top Cover	1
9	P113	Thread Tension Assembly	1
10	P113 - 1	Tension Post	2
11	P113 - 2	Tension Disc	1
12	P113 - 3	Tension Spring	1
13	P113 - 4	Tension Nut	1
14	P113 - 5	Screw for P113 - 1	1
15	P101	Needle Bar Guard	1
16	P101 - 1	Screw for P101	2
17	P102	Looper Cover	1
18	P101 - 1	Screw, for P102	2
19	P103	Side Plate	1
20	P103 - 1	Screw for P103	1
21	P906 - 3	Inside Cover	1
22	P906 - 4	Screw for P906 - 3	2
23	P120	Thread Eyelet	1
24	P114	Tension Base	3
25	P513 - 1	Plastic Cover	1
26	P119 - 2	Allen Bolt for P120	2



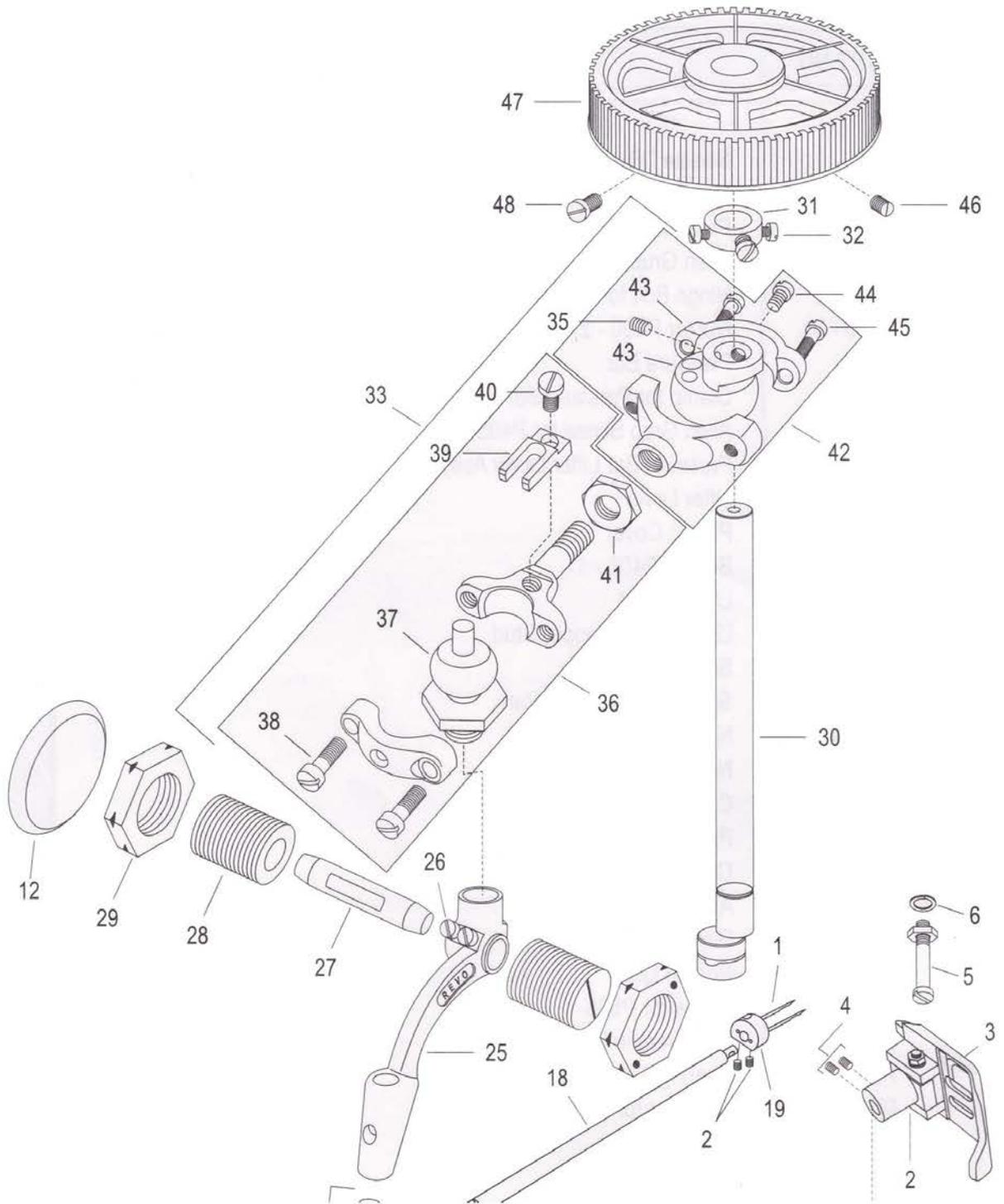
(2) BUSHINGS AND OILING PARTS

INDEX	PART NO.	DESCRIPTION	QNTY.
1.	P306	Bushing for P303	1
2.	P306 - 1	Screw for P306	1
3.	P412	Bushing Pressure Bar Upper	1
4.	P412 - 1	Screw for P412	1
5.	P413	Bushing Pressure Bar Lower	1
6.	P413 - 1	Screw for P413	1
7.	P503	Bushing for P500 Upper	1
8.	P503 - 1	Screw for P503	1
9.	P504	Bushing for P500 (Lower)	1
10.	P504 - 1	Screw for P504	1
11.	P504 - 2	Seal for P504	1
12.	P601	Bushing Main Shaft (Rear)	1
13.	P601 - 1	Screw for P601	2
14.	P602	Bushing for P600 Main Shaft (Front)	1
15.	P602 - 1	Screw for P601	1
16.	P811 - 5	Oil Distributor	1
17.	P811 - 6	Washer Small for P811 - 5	1
18.	P811 - 7	Washer Big for P811 - 5	1
19.	P811 - 8	Copper Pipe	1
20.	P811 - 9	Washer for P811 - 8	1
21.	P811 - 10	Screw for P811 - 8	1
22.	P811 - 11	Oil Nipple	1
23.	P811 - 12	Pipe	1
24.	P811 - 14	Oil Preventive Screw Small	1
25.	P811 - 15	Oil Preventive Screw Big	1
26.	P811 - 16	Oil Wick	1
27.	P811 - 17	Fibre Washer for P811 - 10	1
28.	P811 - 18	Oil System Assy. Comp. Set	1
29.	P700 - 4	Bush for P700 - 3	1
30.	P700 - 5	Screw for P700 - 4	1



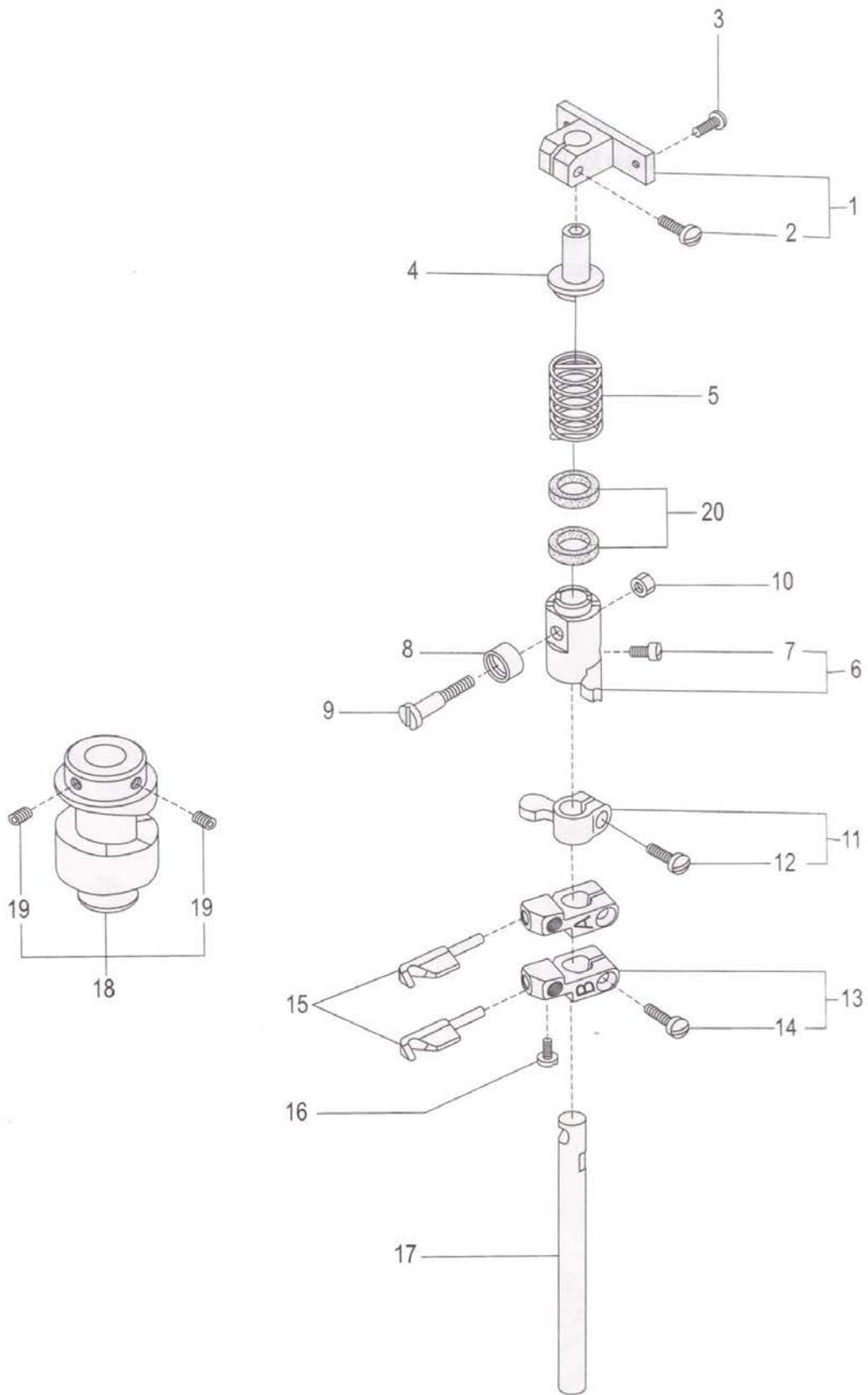
(3) NEEDLE BAR, PRESSER BAR AND DRIVING PARTS

INDEX	PART NO.	DESCRIPTION	QNTY.
1.	P05	Needle DB x 1 200 / 25R (GROZ BECKERT)	1
2.	PS05 - 1	Needle Holder Screw	1
3.	P400	Pressure Foot Complete	1
4.	P400 - 1	Allen Grub Screw for P400	2
5.	P400 - 2	Hinge Bolt for P400	2
6.	P400 - 3	Nut for P400 - 2	2
7.	P404	Pressure Bar	1
8.	P405	Clamp for Pressure Bar	1
9.	P405 - 1	Allen Grub Screw for P405	2
10.	P406	Pressure Bar Lifter Lever Assy.	1
11.	P406 - 1	Lifter Lever	1
12.	P513 - 1	Plastic Cover	2
13.	P406 - 3	Bolt for P406 - 1	1
14.	P406 - 4	Lifter Eyelet	1
15.	P406 - 5	Lifter Lever Stopper Stud	1
16.	P406 - 6	Screw for P406	3
17.	P414	Spring for Pressure Bar	1
18.	P500	Needle Bar	1
19.	P501	Needle Holder	1
20.	P502	Clamp Needle Bar Comp.	1
21.	P502 - 1	Pin	1
22.	P502 - 2	Clamp	1
23.	P502 - 3	Allen Bolt for P502	1
24.	P502 - 4	Pin for P502 - 2	
25.	P505	Needle Lever	1
26.	P505 - 1	Screw for P505	2
27.	P511	Stud Needle Lever	1
28.	P512	Bearing Cone	2
29.	P513	Lock Nut for P512	2
30.	P600	Main Shaft	1
31.	P603	Coller for P600	1
32.	P603 - 1	Screw for P603	3
33.	P605	Connecting Rod Eccentric Complete Set (P607, P610 & P608)	1
34.	P605 - 1	Screw Set for D605 (2 P610 - 3, 2 P607 - 2)	4
35.	P606	Allen Grub Screw for P610 - 1	1
36.	P607	Bearing Rod End	1
37.	P607 - 1	Small Ball for P607	1
38.	P607 - 2	Screw for P607	2
39.	P607 - 3	Guide	1
40.	P607 - 4	Screw for P607 - 3	1



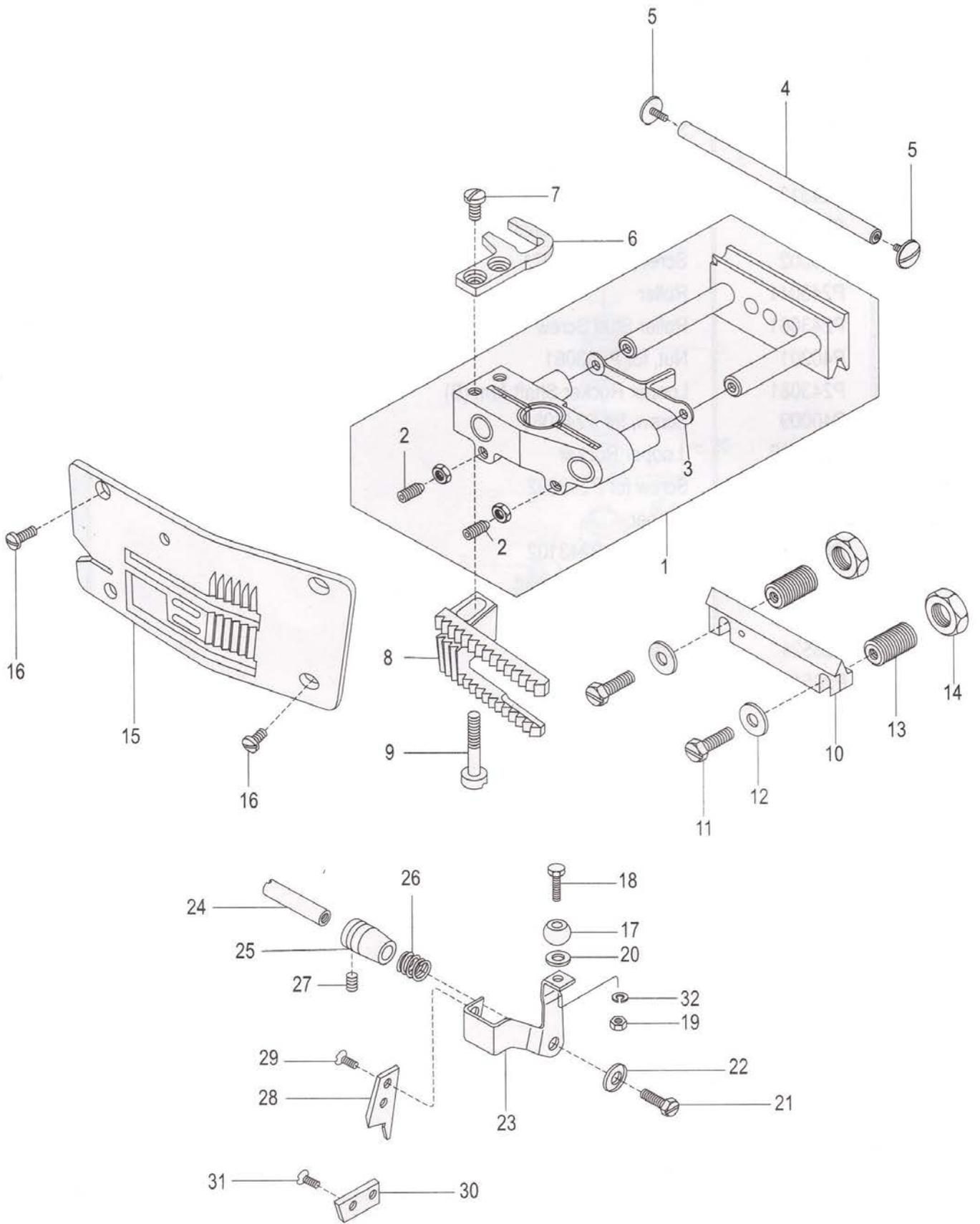
(3) NEEDLE BAR, PRESSER BAR AND DRIVING PARTS

INDEX	PART NO.	DESCRIPTION	QNTY.
41.	P608	Lock Nut for P607	1
42.	P610	Connecting Rod Big	1
43.	P610 - 1	Big Ball for P610	1
44.	P610 - 2	Screw for P610 - 1	1
45.	P610 - 3	Screw for P610	2
46.	P811 - 13	Oil Preventive Screw for P600	1
47.	P905	Pulley Machine (Timing)	1
48.	P905 - 1	Screw for P905	2



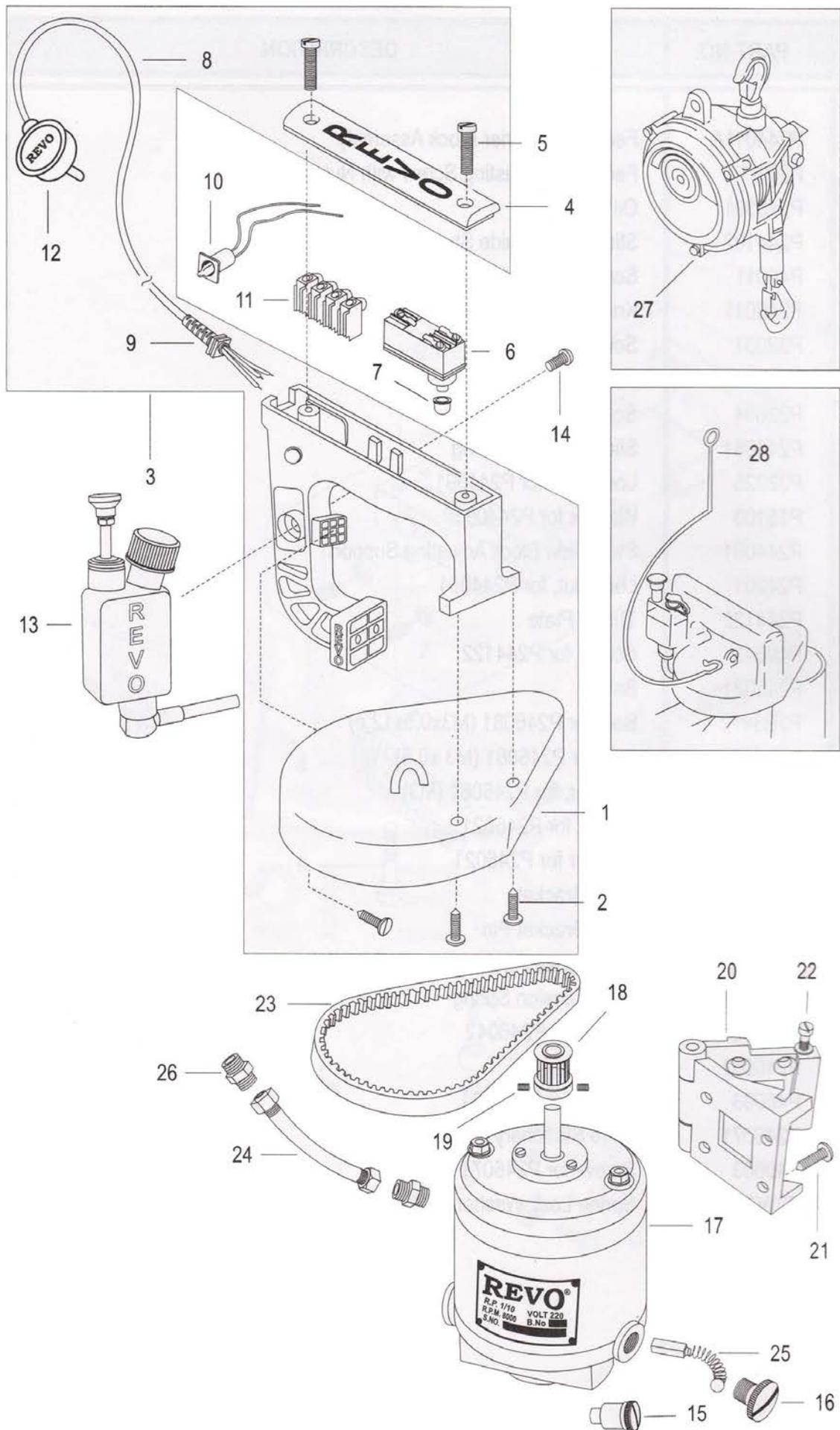
(4) LOOPER DRIVING PARTS

INDEX	PART NO.	DESCRIPTION	QNTY.
1	P243111	Spring Supporter Block	1
2	P40035	Screw, for P243111	1
3	P40005	Screw for P243111	2
4	P243121	Spring Supporter	1
5	P243131	Spring	1
6	P243071	Looper Rocker Shaft Arm (A)	1
7	P40002	Screw, for P243071	1
8	P243041	Roller	1
9	P243061	Roller Stud Screw	1
10	P40201	Nut, for P243061	1
11	P243081	Looper Rocker Shaft Arm (B)	1
12	P40009	Screw, for P243081	1
13	P243092	Looper Rocker	1
14	P40089	Screw for P243092	1
15	P243102	Looper	1
16	P40001	Screw for P243102	1
17	P243032	Looper Rocker Shaft	1
18	P243012	Looper Drive Cam	1
19	P28524	Screw, for P243012	2
20	P205131	Oil Felt	2



(5) FEED DRIVING AND THREAD CUTTER PARTS

INDEX	PART NO.	DESCRIPTION	QNTY.
1	P244011A	Feed Dog Carrier Block Assembly	1
2	P203-1	Feed Dog Adjusting Screw with Nut	4
3	P245391	Oil felt	1
4	P244102	Slide Block Guide Stud	1
5	P40011	Screw for P244102	2
6	P246011	Knife Bracket Extension	1
7	P32031	Screw for P246011	2
8	P244111	Feed Dog	1
9	P32034	Screw for P244111	1
10	P244081	Slide Block Adjusting	1
11	P32025	Lock Bolt, for P244091	2
12	P15103	Washer for P244091	2
13	P244091	Stud Slide Block Adjusting Support	2
14	P24201	Lock Nut, for P244091	2
15	P244122	Throat Plate	1
16	P40043	Screw, for P244122	3
17	P246081	Ball	1
18	P1B3x12	Bolt, for P246081 (M3x0.5x12 e)	1
19	P1N3	Nut, for P246081 (M3 x0.5)	1
20	P1W3	Washer, for P246081 (M3)	1
21	P40049	Screw, for P246021	1
22	P15103	Washer for P246021	1
23	P246021	Knife Bracket	1
24	P246032	Knife Bracket Pin	1
25	P246042	Bushing for P246032	1
26	P246051	Knife Tension Spring	1
27	P40502	Screw for P246042	1
28	P246061	Knife Moving	1
29	P40003	Screw, for P246061	2
30	P246071	Knife Stationary	1
31	P40003	Screw, for P246071	2
32	P3W3	Spring Lock Washer (M3)	1



(6) MOTOR AND HANDLE PARTS

INDEX	PART NO.	DESCRIPTION	QNTY.
1	P105	Guard Belt	1
2	P105 - 1	Screw for D105	3
3	P800	Handle Complete with Guard Belt (105, 802, 802 - 1, 105 - 1)	1
4	P802	Micro Switch Cover	1
5	P802 - 1	Screw for D802	2
6	P806	Micro Switch	1
7	P806 - 3	Micro Button Guard	1
8	P808 - 1	Wire 12 Feet Length	1
9	P808 - 2	Handle Wire Sleeve	1
10	P808 - 3	Indicator Bulb	1
11	P808 - 4	Wire Connector Stick	1
12	P809	Plug	1
13	P811	Oil Tank	1
14	P811 - 1	Screw for D811	1
15	P900 - 3	Carbon Holder with Cap Contt. Type	2
16	P900 - 4	Carbon Cap Contt. Type	2
17	P901	Motor Intt.	1
18	P903	Pulley Motor (Timing)	1
19	P903 - 1	Screw for D903	2
20	P906	Hinges Motor Mount	1
21	P906 - 1	Screw for D906	8
22	P908	Screw Locking for D906	2
23	P910	Timing Belt (OPTIBELT ZR 170XL)	1
24	PS913	Flexible Pipe	1
25	P919	Carbon Brushes with Spring Square Type	2
26	PS936	Nut for DS913	2

OPTIONAL ACCESSORIES

INDEX	PART NO.	DESCRIPTION	QNTY.
27	P907	Revo Suspension Unit	1
28	P907A	Hanging Hook	1
29	P808	Wire (1Foot Length)	1
30	P808C	Wire Roll (90m)	1

AUTHORISED DISTRIBUTOR / DEALER

Manufacturers

SWARUP MECHANICAL WORKS

OFF. & FAC. UNIT-I :OVERLOCK BUILDING, OVERLOCK ROAD, LUDHIANA-141 003. (INDIA)
TELEPHONE : 91-161-2530774, 2546030, 4654981 to 85. FAX : 91-161-2533751
FACTORY - UNIT II : B-XXX-69, KAILASH NAGAR, SHERPUR BYE-PASS,
LUDHIANA-141 003. (INDIA) TELEPHONE : 2673874, 2672174, 4654986 to 88
INTERNET : www.revoindia.com www.sewingnet.com E-MAIL : sales@revoindia.com