



768RB-D-7DD

**PARTS BOOK AND
INSTRUCTION MANUAL**

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1. Note

1) Safety instructions

- (1) After turning on the power, do not place your hands under the needle or near the handwheel.
- (2) Turn off the power when the machine is stopped or the operator leaves.
- (3) When tilting the machine head or reinstalling the machine, the power must be cut off.
- (4) When the machine is running, avoid fingers, hair, rods, etc. from getting close to the winding device to avoid injury.
- (5) When the machine is running, do not place your fingers inside the protective cover of the thread picking rod.
- (6) If foot protection covers, belt covers, etc. are installed, do not turn on the machine when these protective devices are not complete.

2) Power on instructions

- (1) Before power on, add enough oil to the oil box.
- (2) If the machine is lubricated through an oil pot, it must be lubricated thoroughly before operation.
- (3) Confirm the rated voltage and phase of the control box.

3) Operating conditions

- (1) Do not use above 35° or below 5°, as it may cause damage to the machine.
- (2) Avoid using the machine in dirty environments.

2. Technical specifications

Model	768RB-D-7DD
Maximum sewing speed	2400rpm
Needle gauge	0-9mm
Needle bar stroke	34mm
Hand presser foot lifting height	9mm
Automatic presser foot lifting height	16mm
Hook	1.6x large hook
Needle	134-35 Nm120 (Nm110-140)
Presser foot alternative and movement	1-7mm
Automatic lifting device for presser foot	Cylinder
Lubrication	Automatic lubrication
Working space	345mmX311mm
Motor	850W servo motor

Attention: When the interaction amount is less than or equal to 2.5mm, the speed must not exceed 2400rpm. When the interaction amount is greater than 2.5mm and less than 7mm, the speed must not exceed 1600rpm.

3. Preparation before operation

1) Install the speed controller

Figure 1 shows the speed controller of the entire machine, which was removed from the attachment and installed on the platform, and connected to the foot pedal.



Figure 1

2) Install the air pressure regulating valve

Figure 2 shows the air pressure regulating valve, which is installed on the table, and the gas needs to be inlet from the right and outlet from the left. And connect the exhaust pipe to the inlet pipe interface in Figure 3.

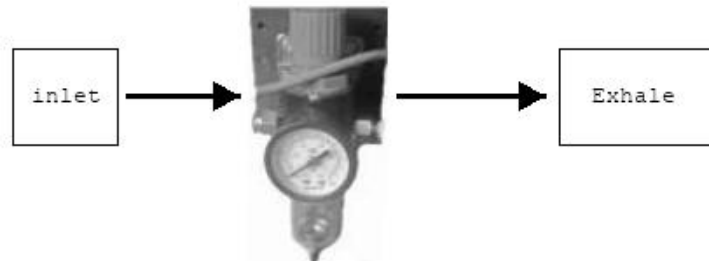


Figure 2

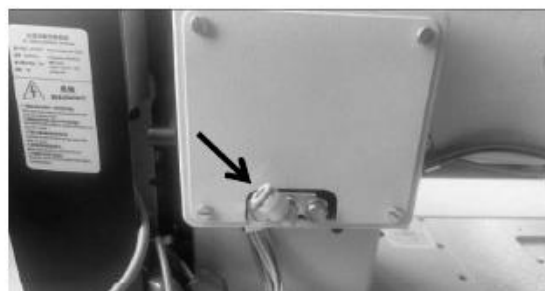
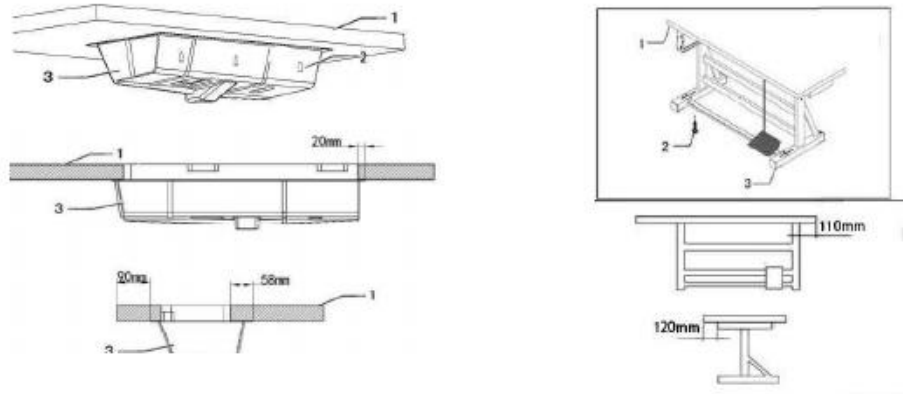


Figure 3

3) Install oil pan and frame



(1) Fix oil pan 3 onto table 1 with nails 2.

(2) From the front. The right side of oil pan 3 is 35mm away from the right side of the bottom plate placed on the table; From the right side, oil pan 3 is 90mm away from the front edge of the table.

4) Adjust the upper stop position, lower stop position, and adjust the handwheel zero position



Figure 4

Mount the handwheel on the motor shaft, with a 1 mm clearance between the handwheel plane and the electronic control cover plane, and tighten the handwheel screws.

(1) Before turning on the machine, press and hold the button indicated by the '2' or '3' arrow in Figure 4, hold it down, and then turn on the switch.

(2) After starting up, the interface will display 'P-72'. Press the '3' button in Figure 4 to enter. Turn the handwheel manually to rotate the pick-up rod to the highest point, then press the '3' key, followed by the '2' key to exit and return the main interface.

(3) Turn off the power switch (it is forbidden to operate with electricity).

(4) Loosen the two handwheel screws, rotate the handwheel to align the wheel '0' with the electric control cover shell scale (the place the arrow of number '1' points to), and then tighten the two handwheel screws.

(5) Restart, depress the pedal, confirm the upper stop position, i.e. the handwheel '0' is aligned with the marking on the electronic housing (the place the arrow of number '1' points to).

(6) Press the arrow of number '4', switch it from the upper stop position to the lower stop position. After switching, press the pedal to the machine in the state of intermediate stop, so that the machine needle will be in the lower stop position. Check whether the scale line on the electric control (the place where arrow of number '1' points to) is aligned with '70' on the handwheel. If it is not aligned, repeat operation steps (1), and adjust the value displayed on the interface to 'P-59', press the '3' key to enter, and increase or decrease its number according to the difference between the scale line on the electric control cover shell and the value on the handwheel. If it is not '70' yet, increase the value. If it already over '70', decrease its value (one degree on the handwheel corresponds to about seven values on the electric control), press the '3' to save, then press the '2' key, exit and return to the main interface. Press the pedal again, check whether the scale line on the electric control (the place the arrow of number '1' points to) is aligned with '70' on the handwheel, repeat the above operation until it is aligned.

4. Instructions for use

1) Threading

When the thread take up at its highest position, thread as shown in the picture.

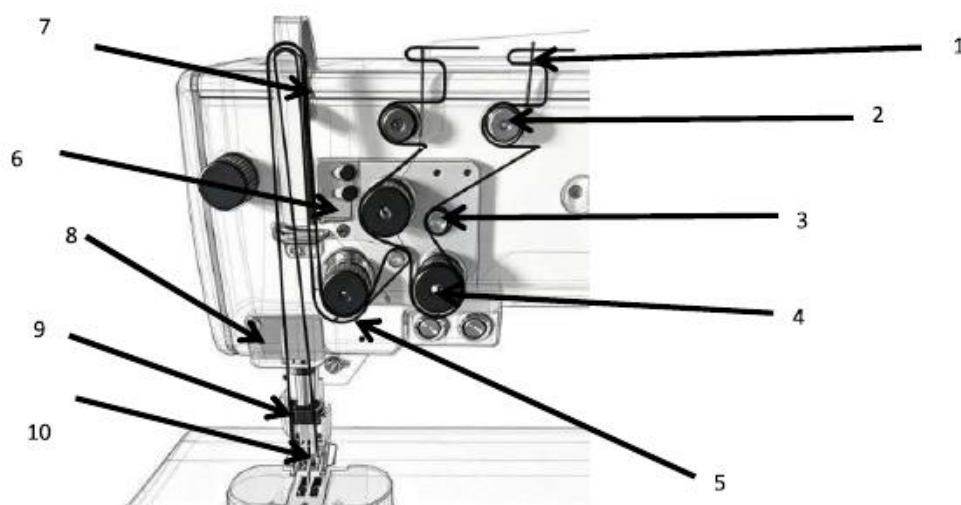


Figure 5

2) Adjusting of thread guide

As shown in Figure 5, the position of the thread guide 6 can be adjusted according to different sewing conditions such as the thickness of the sewing material, cutting characteristics, and needle pitch length. When the thread guide 6 is installed in the direction of '-', the supply of wire decreases; when the thread guide 6 is installed in the direction of '+', the supply of wire increases.

3) Adjusting the upper thread

As shown in Figure 5, adjust nuts 4 and 5. Rotate clockwise to increase tension, and counterclockwise to decrease tension.

4) Winding bottom thread

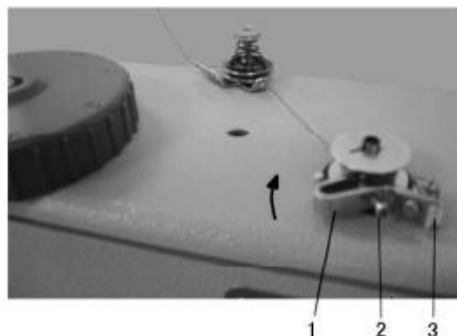


Figure 6

- (1) Install the bobbin onto the bobbin shaft.
- (2) Thread the wire as shown in Figure 6 and cut the thread end on the wire cutter 3. The thread end will automatically get stuck under the wire cutter.
- (3) Press wrench 1 in the direction of the arrow shown in the diagram to start the machine.
- (4) When the winding is full, wrench 1 will automatically pop open and the winding will stop. The winding amount should not exceed 80% of the total winding amount. The thread quantity is adjusted by screw 2.
- (5) After winding, remove the bobbin and use a wire cutter 3 to cut the wire.

5) Bottom thread

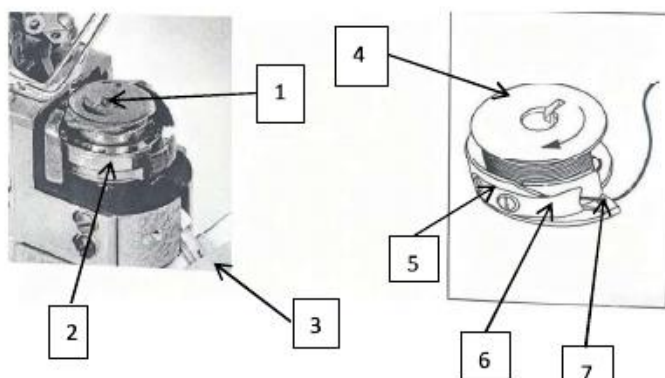


Figure 7

- 1) Raise the presser foot, open the bobbin case cover 3, then open the bobbin cover 1, and remove them.
- 2) Place the wound bobbin 4 into the bobbin case 2; if the bobbin thread is loose, rotate the bobbin in the opposite direction (as indicated by the arrow).
- 3) Thread the bobbin thread through slot 5 of the bobbin case and press it under spring 6.
- 4) Pass the bobbin thread through thread guide 7, leave about 3 cm of thread, close bobbin cover 1, and close bobbin case cover 3.

6) Adjusting the bottom thread

Adjust the tension spring 2. Open the shuttle cover and adjust the adjusting screw 3 of spring 2; turning clockwise increases the bobbin thread tension, turning counterclockwise decreases the tension. Refer to Figure 8 for the case type.

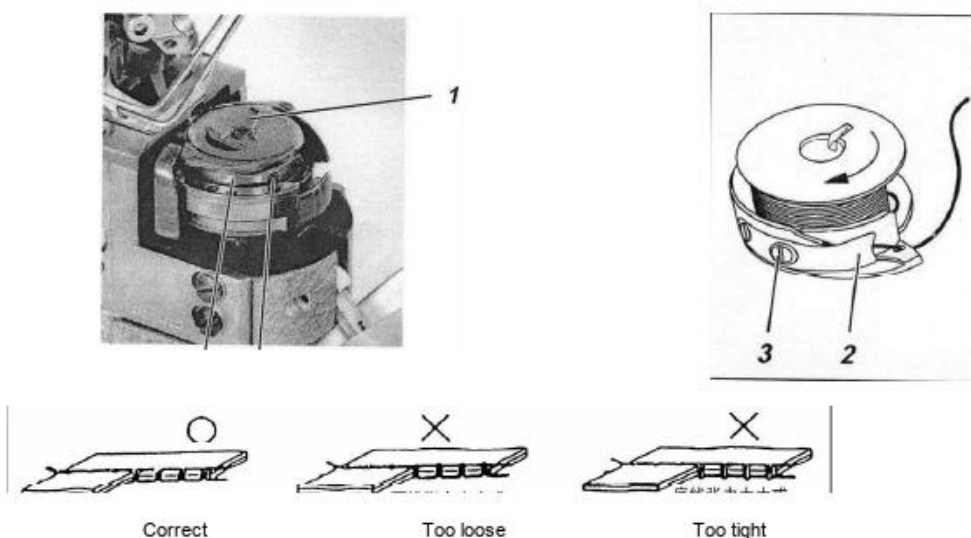
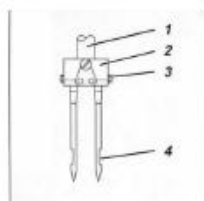


Figure 8

7) Install needle



- 1) Turn the handwheel to raise the needle bar 1 to its highest position.
- 2) Loosen the stop screw 3.
- 3) Insert the sewing machine needle into the needle hole with the opening facing outward as shown, and insert the needle as far as possible into the bottom of the hole, the needle rod hole. Then, rotate and tighten the needle screw 1 to secure the needle.
- 4) Tighten screw 3.

8) Adjusting the alternative of the presser foot



Figure 10

Rotate the interaction adjustment dial 1 in Figure 10 to adjust the interaction between the inner and outer presser feet. Label 1 switches from min to max, and the letter indicated by the arrow position is the interaction value you set. The adjustable range of presser-foot interaction is 1-7mm. The speed of the sewing machine will be automatically adjusted according to the different interaction settings of the presser foot. When the interaction amount is min, the maximum speed cannot exceed 3000rpm. When the interaction amount is max, the maximum speed must not exceed 2000rpm.

9) Adjusting the pressure of the presser foot

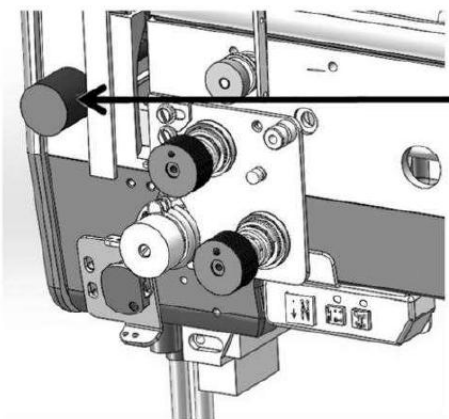


Figure 11

The pressure of the presser foot can be adjusted by rotating the pressure regulating screw 1 in Figure 11 according to the thickness of the sewing material. Rotate pressure regulating screw 1 clockwise to increase the pressure on the presser foot. Rotate counterclockwise to decrease the pressure on the presser foot.

10) Adjusting the needle gauge

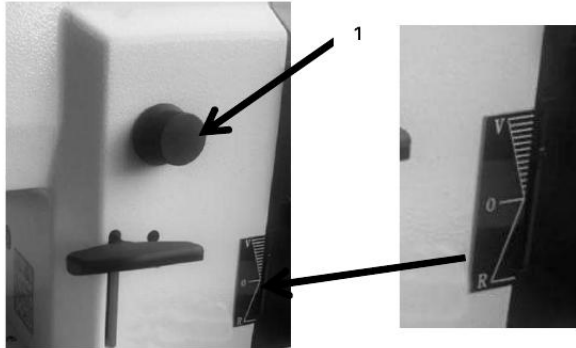


Figure 12

As shown in Figure 12, rotate needle-pitch knob 1 clockwise to increase the needle pitch, and the pointer shown by the arrow in the enlarged image will move higher. Conversely, rotate counterclockwise to decrease the needle pitch, and the pointer shown by the arrow in the enlarged image will move lower.

11) The use of key switches

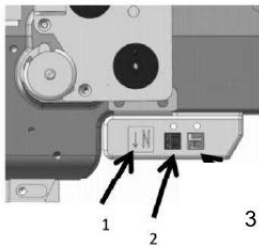


Figure 13

As shown in Figure 13:

Key switch 1: Quick reverse sewing button. As long as switch 1 is pressed, the machine will immediately start reverse sewing; release switch 1 and the machine will resume normal sewing.

Key switch 2: Temporarily add or cancel front and back bartacking. Press this button; if bartacking is already on, it will temporarily cancel that bartacking section. If bartacking is not on, it will temporarily add that bartacking section.

Key switch 3: Interaction switch. Press switch 3 and the interaction indicator light turns on, increasing the interaction between the inner and outer presser feet. Press it again and the interaction indicator light turns off, restoring the interaction.

12) Clear

- (1) Daily cleaning should be carried out on the feed dog, hook, and surrounding areas.
- (2) Motor cleaning: Every 2-3 months, remove the dust inside the electronic control housing. Excessive wire and fabric debris inside the housing can cause the motor to overheat and affect its lifespan.

13) Add oil

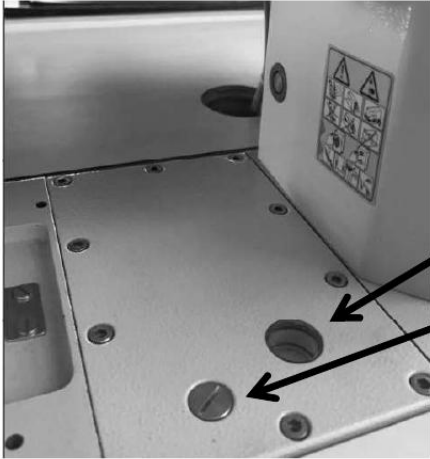
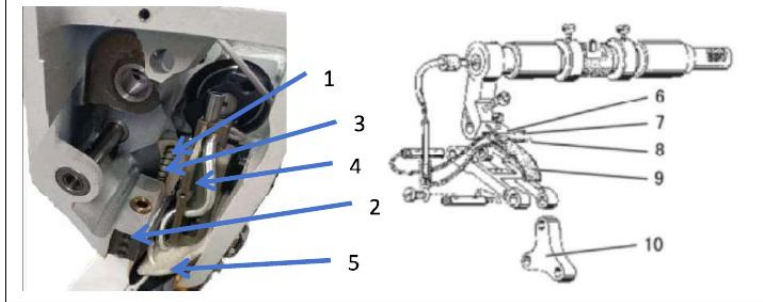
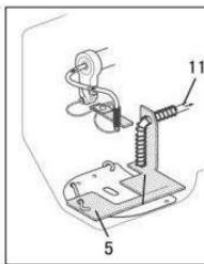


Figure 14

1. Check the oil level shown in oil window 1 of the oil box. The oil should be between the two red lines. If the oil level is low, unscrew screw 2, inject oil to the range between the two marks, and then tighten screw 2.
2. After the initial 500 hours of operation, the oil must be changed. Then change the oil every two years, regardless of operating time.

14) Lubrication



- (1) Oil line 1 of needle-rod swing frame 4 is placed between casing wall 2 and spring 3, and oil line 1 must not contact wool felt 5.
- (2) When replacing felt 9, make sure the rough surface faces connecting rod 10. Oil lines 7 and 8 are sandwiched between felt 9 and fixing plate 6.
- (3) The end of oil line 11 must be under wool felt 5, with an exposed length of about 10-15mm, to ensure oil returns from the machine head.
- (4) The machine should be running, and there should be a trace amount of oil on felt 9.

15) Oil supply

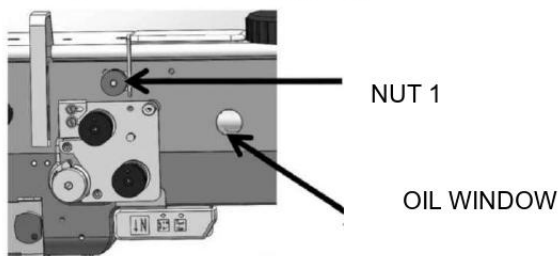


Figure 15

Gently press the foot pedal. As shown in Figure 15, the oil in the oil window should be supplied from the bottom to the machine head in the direction indicated by the arrow.

16) Adjusting the length of the thread after cutting

The length of the thread after cutting can be adjusted by adjusting nut 1 in Figure 15. If the thread tension increases, the thread end becomes shorter; if the thread tension decreases, the thread end becomes longer.

17) Adjusting the height of the feed dog

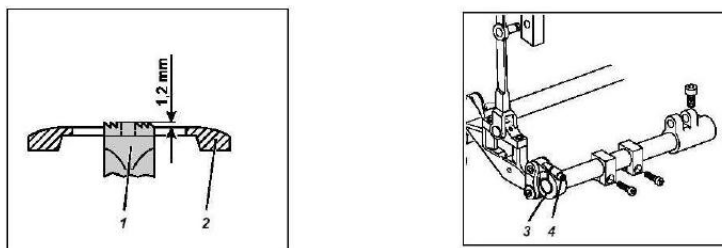


Figure 16

(1) Standard inspection: The highest point of feed dog 1 is generally about 1.2mm above the needle plate, depending on the material thickness. Set the stitch length to "0" (turn the knob counterclockwise to the end), rotate the handwheel until the feed dog reaches its highest point, and check the height of the feed dog relative to the needle plate.

(2) Adjustment: Set the stitch length to "0", loosen set screw 4 on crank 3, adjust the crank position so that the highest point of feed dog 1 is about 1.2mm above the needle plate, and tighten screw 4.

Note: Crank 3 must not move axially during movement.

18) Adjusting of needle position

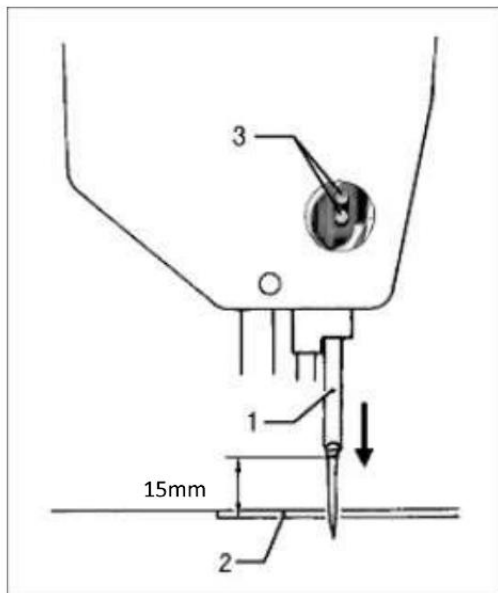


Figure 17

As shown in Figure 17, set the needle-distance dial value to 0. When needle rod 1 is moved to the lowest position, the distance between the lower plane of needle rod 1 and the mounting surface of needle plate 2 is 15mm (needle 23).

- (1) Remove the panel.
- (2) Set the needle-pitch dial to the minimum. Rotate the handwheel to lower needle rod 1 to its lowest position.
- (3) Loosen screw 3 and adjust the height from the lower plane of needle rod 1 to the mounting surface of the needle plate to 15mm.
- (4) Tighten screw 3.

19) Adjusting of the gap between the needle and hook pointed end

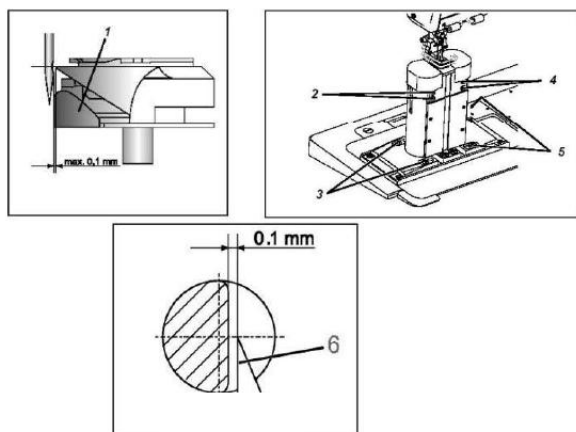


Figure 18

The clearance between the needle groove and shuttle hook point 6 must be a maximum of 0.1mm. Rotate the drive wheel to align hook point 1 with the center of the needle groove, then adjust the clearance between them.

Adjustment method:

- (1) Loosen feed table screws 2 (left shuttle) and 4 (right shuttle).
- (2) Loosen shuttle fixing screws 3 (left shuttle) and 5 (right shuttle).
- (3) Adjust the shuttle seat position to the required distance.
- (4) Tighten screws 3, 5, 2, and 4.

20) Adjusting of needle and hook synchronization

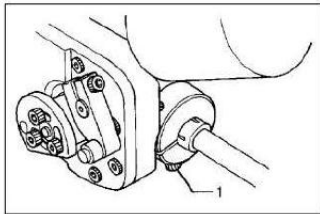


Figure 19

As shown in Figure 19:

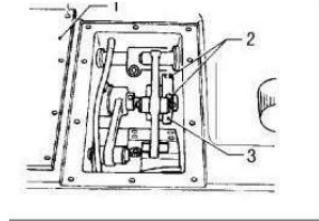
- (1) Set the needle pitch to 0.
- (2) Remove the needle plate.
- (3) Tilt the machine head.
- (4) Loosen screw 1.
- (5) Rotate the drive wheel and adjust the needle to the hook position. This is when the needle rises 2mm from the lowest position.
- (6) Rotate the rotary hook to align the hook tip with the center of the needle.
- (7) Tighten screw 1.

21) Adjusting Needle and Feeding Synchronization

(1) Horizontal feeding direction

Set the stitch length dial to maximum, turn the handwheel, and set the needle to its bottom dead center. At this time, when the reverse sewing lever moves up and down, the machine needle and feed dog do not move.

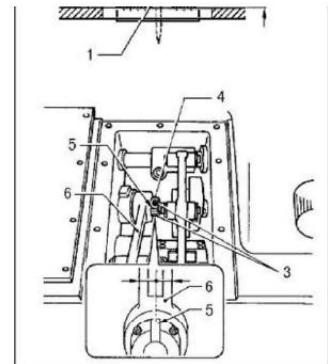
- a. Remove the oil box cover plate.
- b. Set the stitch length dial to maximum.
- c. Loosen the two screws 2.
- d. Set the needle to bottom dead center.
- e. Adjust feeding cam 3 so that, when the reverse sewing lever is moved, the needle and feed dog do not move.
- f. Tighten the two screws 2.



(2) Vertical feeding direction

Set the stitch length dial to "0". When the needle is at its lowest position, the feed dog is at its highest position, 1.2 mm above the needle plate.

- a. Loosen the two screws 3.
- b. Set the needle to the lowest position.
- c. Adjust tooth lifting cam 4 so the inclined groove on the cam aligns with the center of tooth lifting crank connecting rod 6.
- d. Tighten the two screws.



22) Adjust the Shuttle



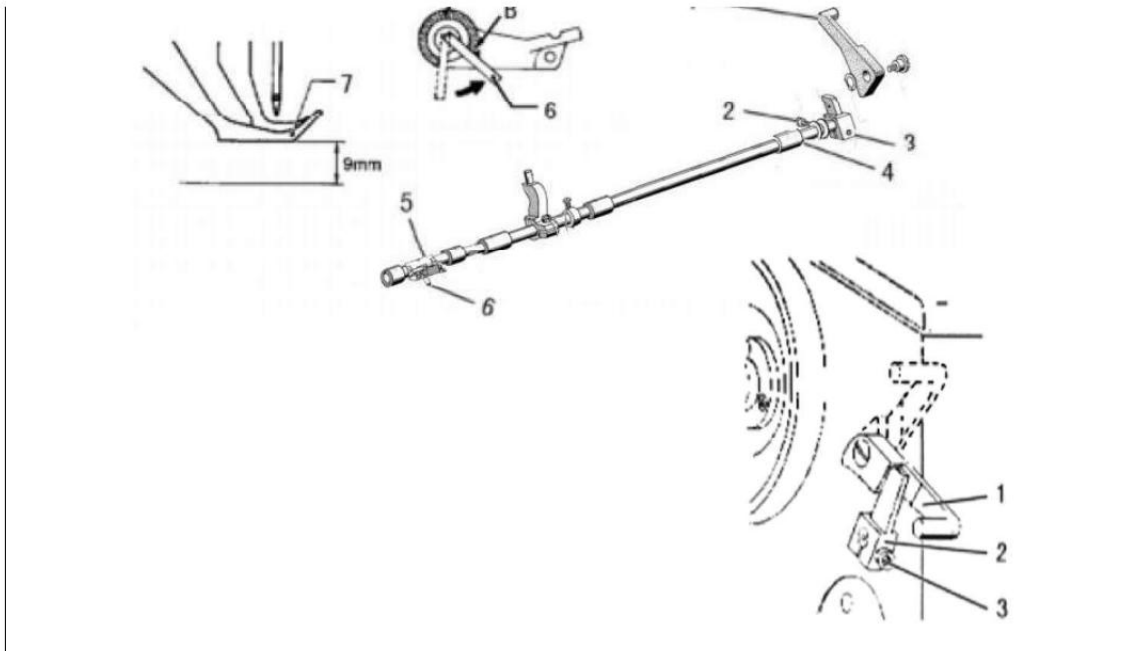
Figure 21

1. The top thread must be able to pass through gap 7 between the shuttle and the needle plate when forming the thread loop.
2. When the thread passes through deflector 3, shuttle 2 forms the lower-thread stitch path with minimum thread tension through the special thread path.
3. Deflector 3 is controlled by the cam inside the shuttle base and control block 4. Incorrect adjustment can cause thread breakage, thread knots, and excessive noise.
4. Inspection: deflector 3 must guide the lower thread path between shuttle handle 6 and needle plate notch 7.
5. When shuttle 2 is lifted, gap distance X must be larger than the thickest thread used. Sew a few stitches manually to check shuttle threading.
6. Adjustment: loosen the shuttle column cover screws, remove the cover, and loosen the set screw on the control block. Adjust thread deflector 3 to obtain the required proper spacing, then tighten screw 5 and the cover screws. If the thread deflector spacing is too small, the thread will not pass through. If the spacing is too large, shuttle noise will increase and the deflector will hit the other end of the needle plate thread groove. Loosen the shuttle column cover screws, remove the cover, and loosen set screw 5 on the control block.

23) Adjusting the Height of the Presser Foot

When presser foot lever 1 is pressed down, presser foot 7 is lifted to a height of 9 mm.

- (1) Loosen the pressure adjusting screw.
- (2) Press down presser foot lever 1 and loosen screw 2.
- (3) Adjust the external pressure rod up and down so the outer presser foot height from the needle plate is 9 mm.
- (4) When limit pin 6 of the presser foot lifting crank touches bottom surface B of the groove in presser foot lifting crank 5, push the shaft axially so there is no play. At this time, with presser foot lever 1 and presser foot lever crank 3 engaged, tighten screw 2.
- (5) Tighten the pressure adjusting screw.



24) Setting the Alternating Amount of the Presser Foot

(1) Setting the maximum alternating amount of the presser foot.

By the following adjustments, the maximum alternating amount between inner presser foot 1 and outer presser foot 2 can be set to 7 mm.

- a. Remove the upper cover plate.
- b. Remove oil-circuit large fixing plate 3.
- c. Loosen limit screw 5 of alternating amount adjustment stopper 4.
- d. Adjust the position of alternating amount adjustment stopper 4. When stopper 4 is installed facing upward, the alternating range is 1-6 mm. When stopper 4 is installed facing downward, the alternating range is 1.5-7 mm.
- e. Tighten limit screw 5.
- f. Install oil-circuit large fixing plate 3.
- g. Loosen crank screw 6, as shown in Figure 22. Adjust alternating amount adjustment rod 7 to 78 mm from the casing wall, then tighten screw 6.

Note: before adjustment, set the alternating amount adjustment dial to "min".

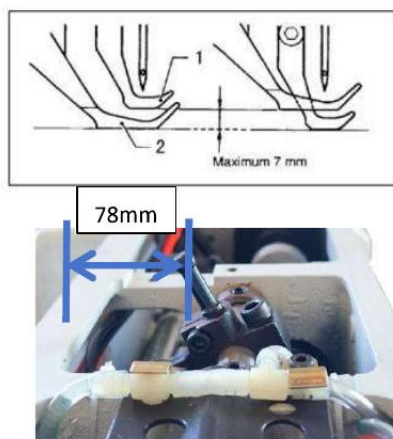
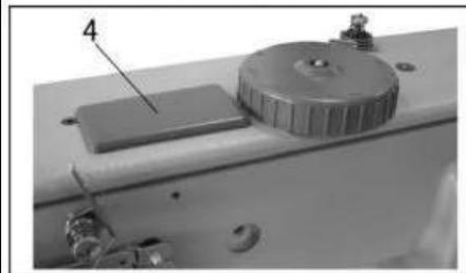
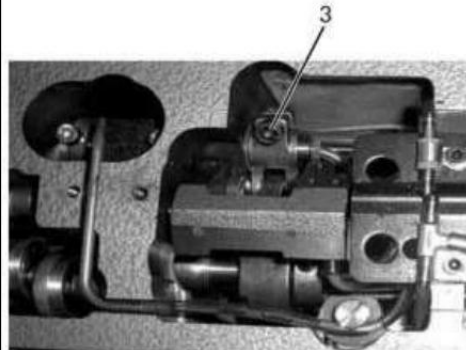
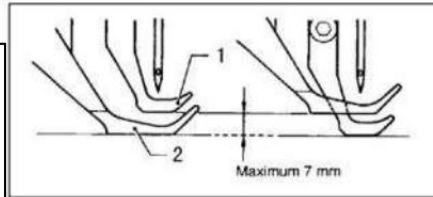


Figure 22

Set the movement amount of inner presser foot 1 and outer presser foot 2.

Rotate the handwheel so that, when the presser foot is at its lowest position, the inner and outer presser feet are at the same height.

- a. Set the stitch length to maximum.
- b. Open plastic cover 4.
- c. Set the alternating amount adjustment dial to "min".
- d. Loosen screw 3.
- e. Rotate the handwheel until the needle tip, the top surface of the feed dog, and the needle plate surface are level.
- f. At this point, adjust inner presser foot 1 and outer presser foot 2 so both touch the needle plate surface, then tighten screw 3.



25) Adjusting Presser Foot Synchronization

As shown in Figure 23, when the outer presser foot moves downward, it must touch the needle plate surface while the feed dog moves upward and the machine needle moves downward. Set the stitch length to "0", set the presser foot alternating amount to maximum, place the dial at the "max" position, rotate the handwheel in its normal direction, and observe the movement of the outer presser foot.

- (1) Remove plastic cover 4 from the upper cover plate (see Figure 25).
- (2) Loosen the two cam screws 1 on alternating amount adjustment cam 2 (see Figure 24).

(3) Rotate the handwheel so the needle points downward to the top surface of the feed dog.

(4) Rotate alternating amount adjustment cam 2 so the inner presser foot rests against the feed dog (see Figure 26).

Note: As shown in Figure 24, when rotating alternating amount adjustment cam 2, cam 2 must not move axially. Oil is supplied through the hole in cam 2, so oil pipe 3 with oil wick must be inserted into the cam lubrication groove (see Figure 26).

(5) Tighten the two cam screws 1.

(6) Replace plastic cover 4.

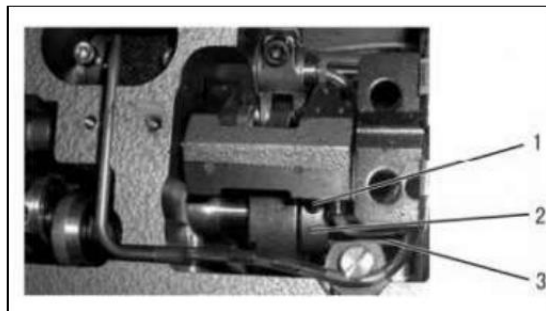


Figure 24

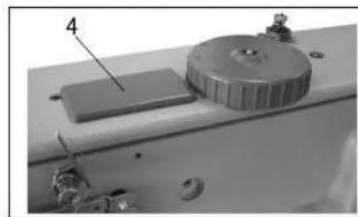


Figure 25

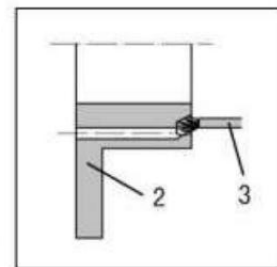


Figure 26

26) Adjust Blade Position



Figure 27



Figure 28

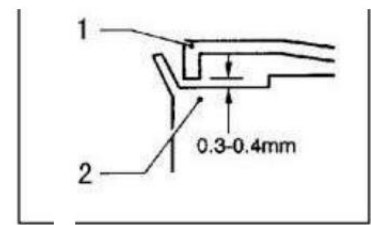


Figure 29

When in the stop position, the rear edge of the moving blade should be flush with the front end of the fixed blade. The moving blade must not touch the shuttle.

1. The distance between the lower cutting edge of moving blade 1 and the concave surface of the shuttle is approximately 0.3-0.4 mm.
2. Check: loosen moving blade position adjustment screw 1, adjust the moving blade as required, then tighten screw 1.
3. Note: when tightening screw 1, check the axial clearance of the moving blade shaft. While the moving blade can move freely, the clearance should be as small as possible.

27) Adjustment of Moving Blade Stop Position After Cutting

After cutting the thread, the distance from the end of moving blade 1 to the edge of fixed blade 2 is 0.5 mm.

- (1) Tilt the machine head.
- (2) Rotate the drive wheel so roller 6 on cutting crank 5 rests on the outermost edge of cutting cam 7.
- (3) Loosen cutting crank screw 4.
- (4) Adjust the distance from the end of moving blade 1 to the edge of fixed blade 2 to 0.5 mm, then tighten cutting crank screw 4.



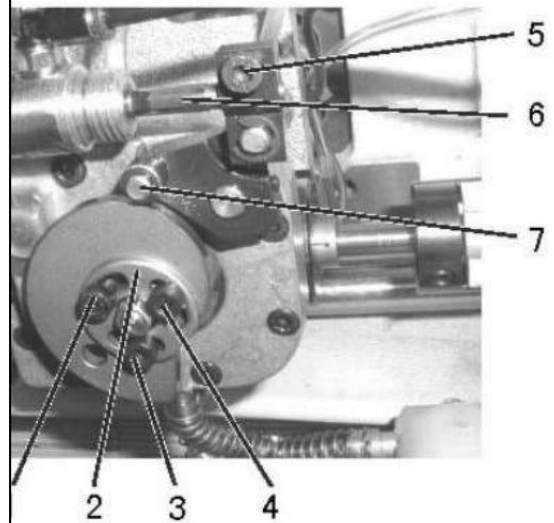
28) Adjusting the Timing of Thread Cutting

Inspection: the action timing of the moving blade is determined by the cam position. When the needle bar is at its highest position, the roller should be at the highest point of cam 2.

When sewing, the roller must not contact the crank face, and the distance should be maintained at approximately 0.1 mm.

Adjustment: adjust the spacing between the roller and the cam. First loosen screw 5, adjust the distance between the roller and the cam, then adjust cylinder shaft 6 according to the adjusted distance, and finally tighten screw 5.

Cam adjustment: loosen screws 1, 3, and 4, rotate the cam to adjust the cam-to-roller spacing to the required distance, then tighten screws 1, 3, and 4.



29) Adjust the Fixed Blade and Thread Clamp

Inspection: thread clamp spring 5 holds the cut lower thread to prevent skipped stitches at the start of sewing. Fixed blade 4 and moving blade 6 must be installed parallel under low cutting-force conditions.

Parallel Position Adjustment

Loosen screw 3 slightly to adjust the parallelism between moving blade 6 and fixed blade 4. Adjust screw 2 to align the edge of fixed blade 4 with the moving blade, then tighten screw 3.

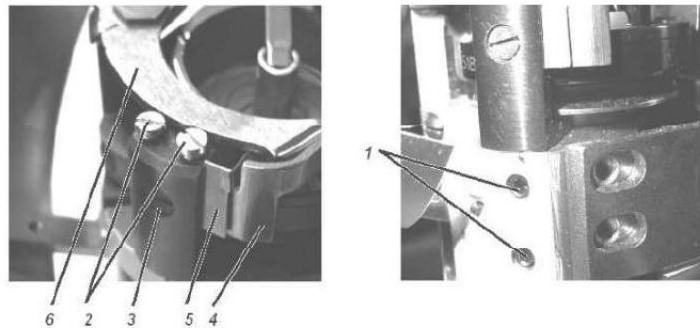
Thread Cutting Pressure Adjustment:

Ensure the thread is cut cleanly while minimizing the force on fixed blade. Usually, the fixed blade edge overlaps the moving blade by about 1/3.

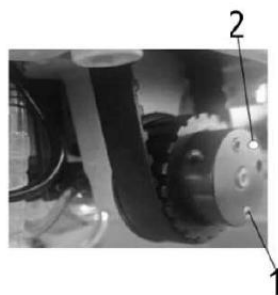
Loosen screw 1, adjust the fixed blade holder to achieve the above setting, and finally tighten screw 1.

Thread Clamp Adjustment:

Gently bend the bobbin thread clamp to correct thread clamping, and manually check the clamping condition.



30) Safety Clutch



Reset the safety clutch.

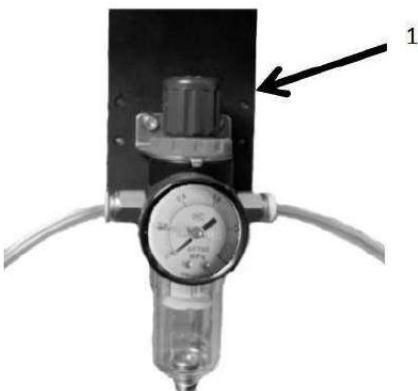
- (1) Remove the thread ends caught in the rotary shuttle.
- (2) Insert a screwdriver into hole 1 so clutch 2 cannot rotate. Then turn the drive wheel forward or backward until the shuttle rotates smoothly.
- (3) Remove the screwdriver.
- (4) Rotate the drive wheel and confirm that safety clutch 2 is engaged.



When sewing heavy materials, the torque of the safety clutch can be adjusted.

- (1) Loosen nut 3.
- (2) Turn screw 1 in to increase torque. Turn screw 1 out to reduce torque.
- (3) Lock nut 3.

31) Adjustment of Air Pressure



When the cylinder is working normally, the required air pressure is 3-4 bar. It can be read on the dial of the filter pressure reducing valve.

- (1) Lift knob 1 and rotate clockwise to increase pressure.
- (2) Lift knob 1 and rotate counterclockwise to reduce pressure.

32) Adjusting Double Thread Tension and Midway Presser-Foot Lifting Thread-Loosening Function



(1) Before turning on the machine, press and hold the buttons indicated by arrows "1" and "2" in the picture above. Keep them pressed, then turn on the switch.

(2) After power-on, the display shows "P-72". Press the "+" key on button "2" to increase the value to 135, then press button "3" to enter. Select "0": the alternating amount button and the second thread clamp are linked. When the alternating amount button is on, the second thread-loosening wire is clamped; when it is off, the wire is opened. Select "1": the alternating amount button and the second thread clamp are not linked, so the second thread clamp remains clamped and the alternating amount button cannot open or close it.

(3) After performing step (1), set the value indicated by arrow "4" to 134. Press button "3" to enter. Select "0": when the presser foot is lifted midway, the thread clamp will not loosen. Select "1": when the presser foot is lifted midway, the thread will loosen.

33) Maximum Speed Adjustment for Machine Stitching

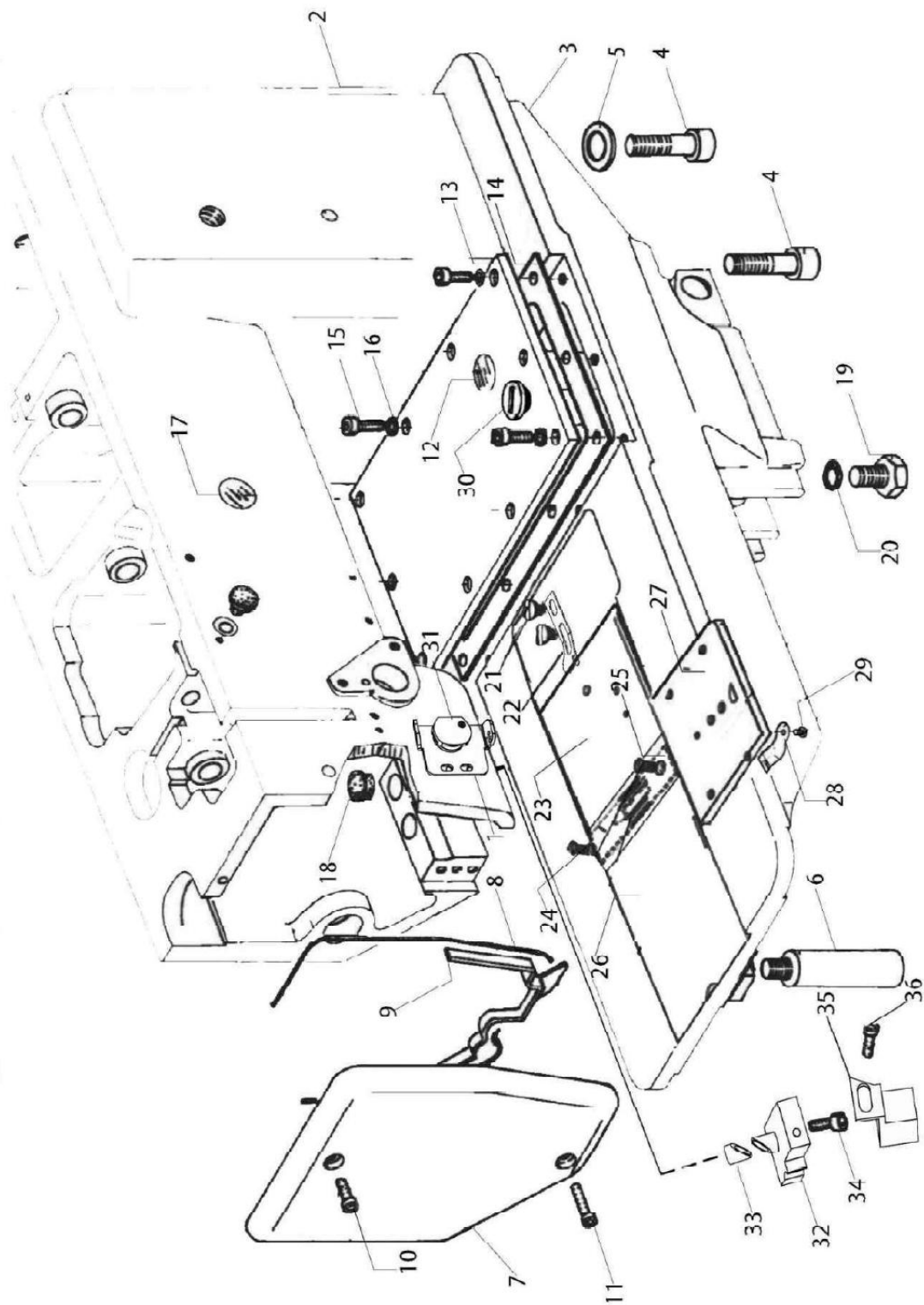


(1) Before turning on the machine, press and hold the buttons indicated by arrows "1" and "3" in the picture above. Keep them pressed, then turn on the switch.

(2) After power-on, the display shows "P-72". Press the "-" key on button "2" to reduce the value to 68, then press button "3" to enter. Press buttons "2" and "4" to select the speed limit; the maximum speed is 2400. Press button "3" to return to the item selection screen. Then press button "2" to adjust the value to "P-01". Set the value of "P-01" to the desired speed limit, press button "3" to return to the item selection screen, and finally press the "P" button to return to the sewing screen.

(3) The sewing speed can be adjusted by pressing buttons "5" and "6" on the sewing interface.

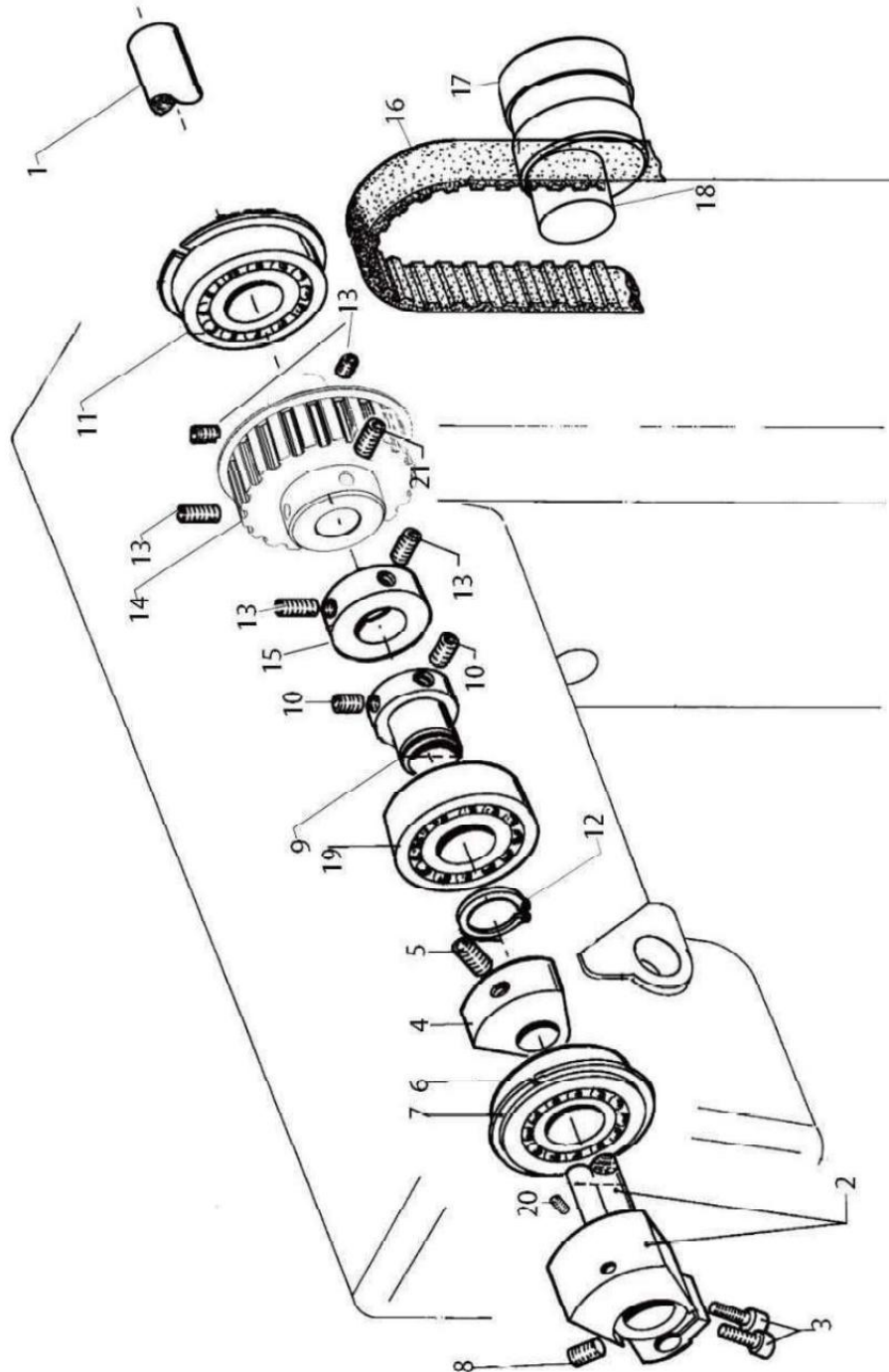
1. Machine Housing Components



No.	Part No.	Name	Spec	Qty
1.	0767 160480	Thread guide plate		1
2.	1467 100251	Machine casing		1
3.	1367 140011	Base plate		1
4.	9202 003738	cyl. screw	M10X35	4
5.	0971 430190	washer	10.5X17X1.6	2
6.	0367 140100	foot		1
7.	0467 100353	head cover		1
8.	0699 989250	bar		1
9.	0467 100400	oil pillow		1
10.	9202 042488	cyl. screw	M5X10	1
11.	9202 042508	cyl. screw	M5X25	1
12.	0367 140040	oil indicator		1
13.	0367 140020	cover		1
14.	0367 140030	gasket		1
15.	9202 042488	cyl. screw	M5X12	1
16.	0396 140050	gasket		10
17.	0367 310180	inspection glass		1
18.	0990 240164	plug		1
19.	0995 110210	screw		1
20.	9792 301010	gasket ring		1
21.	0992 023677	Support spring screw for pusher plate		1
22.	0067 001560	Pusher plate support spring		1
23.	0367 140090	Right pusher plate		1
24.	0216 000134	Needle plate screw	M4X9	1
25.	0467 200020	Needle plate		1
26.	0367 142070	Left pusher plate		1

No.	Part No.	Name	Spec	Qty
27.	0367 140060	Center pusher plate		1
28.	0667 145390	Leaf spring		1
29.	9203 001807	Leaf spring screw	M2X3	1
30.	9840 136002	plug		1
31.	Z-91-185844-91	Electronic thread clamp		1
32.	1767 000020	Edge guide mounting bracket		1
33.	1767 000030	Edge guide clamp block		1
34.	M6X22	Screw	M6X22	1
35.	1767 000040	Single-color lamp		1
36.	M5X12	Single-color lamp screw		1

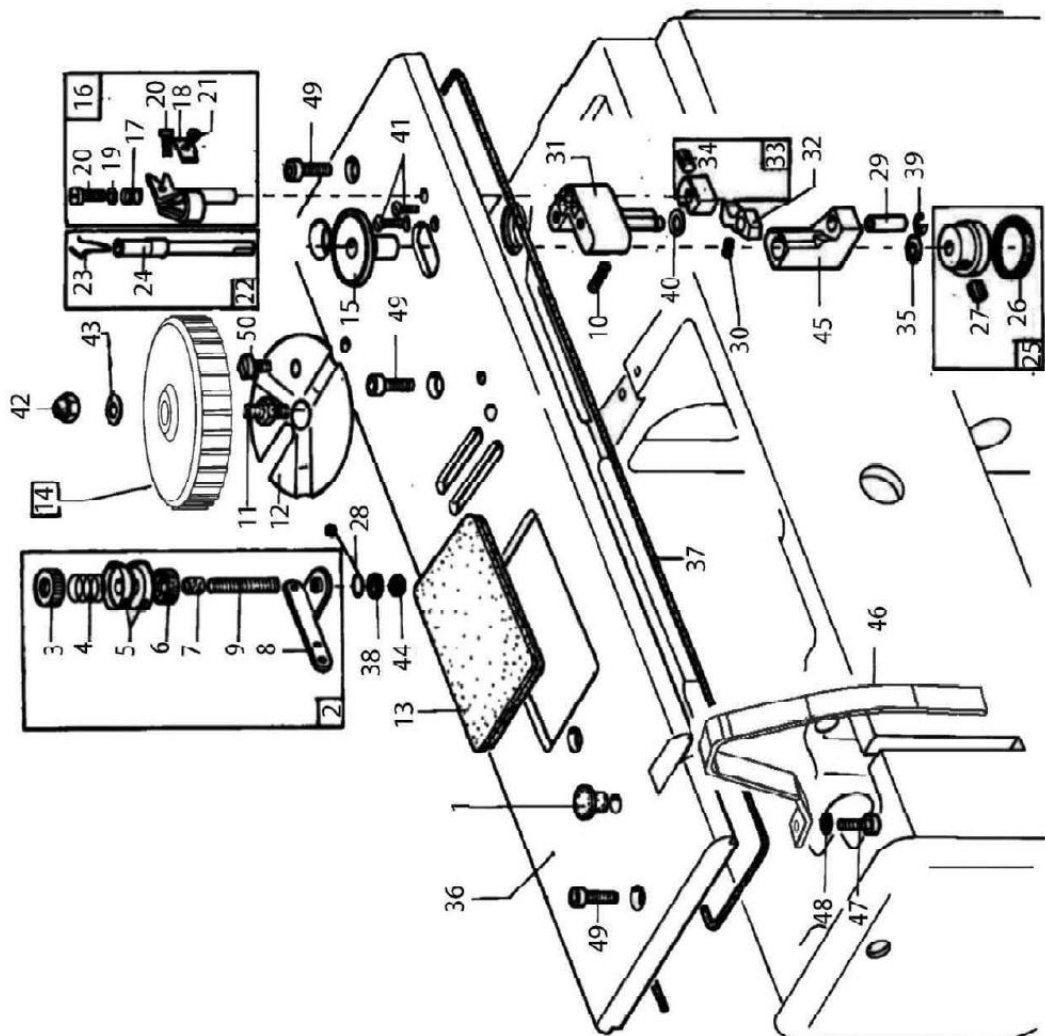
2. Upper Shaft Components



Upper Shaft Components

No.	Part No.	Name	Spec	Qty
1.	0767 100034	arm shaft cpl		1
2.	1467 100284S	Needle bar crank		1
3.	9202 042488	cyl.screw	M5X10	6
4.	0467 100290	counterweight		1
5.	9205 102783	threaded pin	M8X1X10	1
6.	9120 080110	ballbearing		1
7.	9129 016050	spring ring		1
8.	0216 000052	threaded pin	M6X6	1
9.	0367 100353	bearing bush		1
10.	9205 102477	Set screw	M6X8	2
11.	9120 030200	ball bearing		1
12.	9352 000200	retainer ring		1
13.	9205 102488	threaded pin	M6X10	5
14.	1367 150163	Upper timing pulley assembly		1
15.	0367 170013	catch wheel cpl		1
16.	1367 150150	Timing belt		1
17.	0767 150140	Tension pulley		1
18.	SW19-9-1	Tension pulley bearing		1
19.	6004-2RS	Upper shaft center bearing		1
20.		Front set screw	M6X10	1
21.	9205 102488	threaded pin		2

3. Bobbin Winder Adjustment Components

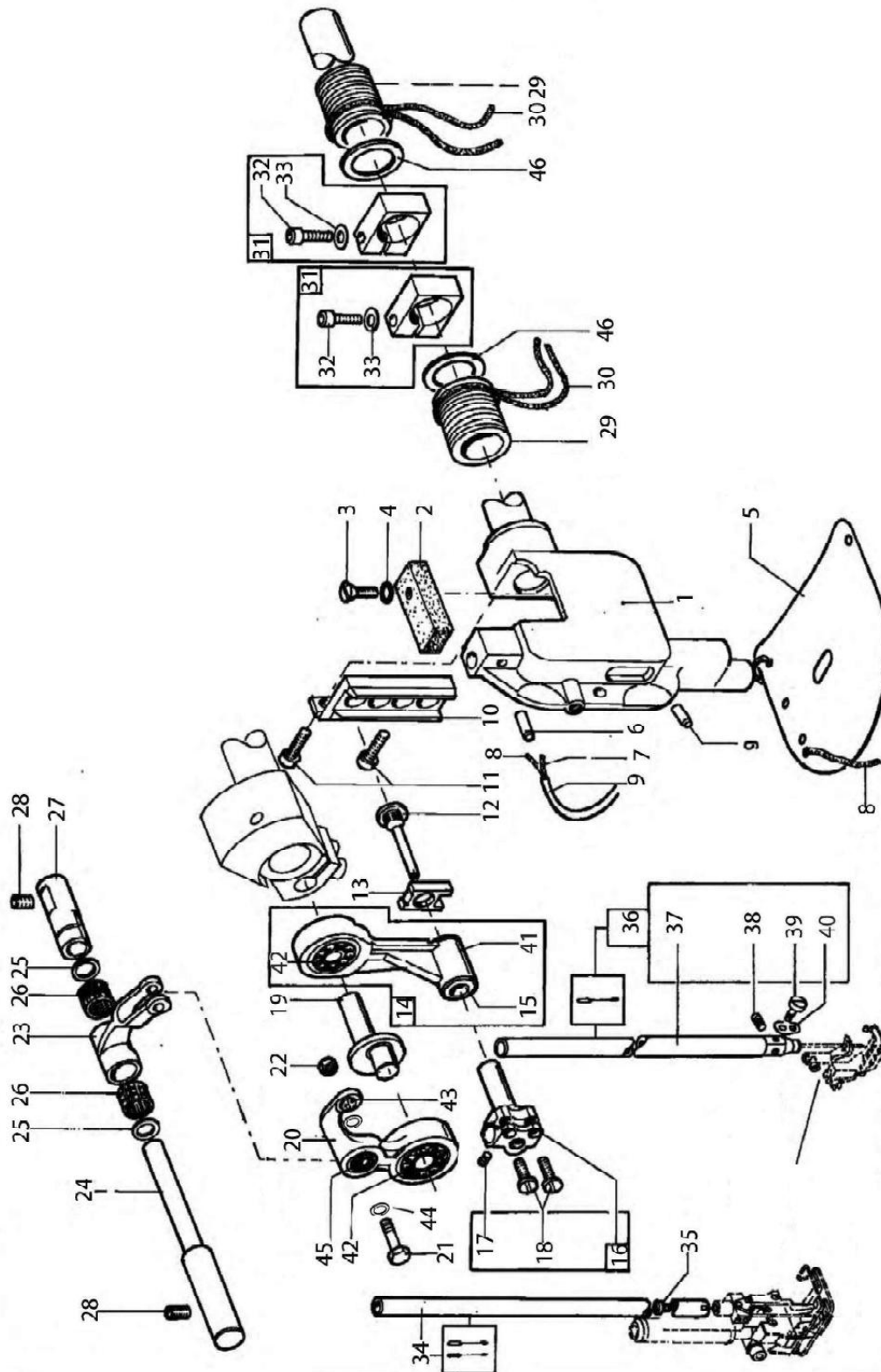


Bobbin Winder Adjustment Components

No.	Part No.	Name	Spec	Qty
1.	0170 100030	plug		1
2.	0221 110154	pretension cpl		1
3.	0993 411208	knurled nut		1
4.	0396 110470	presser spring		1
5.	0037 001280	thread tension disc		2
6.	0221 110150	disc		1
7.	0221 110160	bushing		1
8.	0396 170160	thread guide		1
9.	0396 170170	threaded bolt		1
10.	0067 320150	presser spring		1
11.	0367 100480	bolt, stud		1
12.	0367 100490	guard plate		1
13.	0367 100510	cover		1
14.	0367 100633	Adjusting handwheel assembly		1
15.	0367 170020	bushing		1
16.	0367 170033	release lever		1
17.	0196 001890	presser spring		1
18.	0367 170060	knife		1
19.	0367 170070	disc	3.2X5.5X2	1
20.	9203 003067	cyl. screw	M3X10	1
21.	9203 003027	cyl. screw	M3X4	1
22.	0367 170044	winder shaft		1
23.	0367 170040	fixing clamp		1
24.	0396 170330	winder shaft		1
25.	0367 170083	winder whee		1
26.	0998 861590	ring	19X4	1

No.	Part No.	Name	Spec	Qty
27.	9205 102168	threaded pin	M5X5	1
28.	0367 170090	thread guide		1
29.	0396 170060	bushing	5X6.5X15.5	1
30.	0396 170080	presser spring		1
31.	0396 170253	winder block		1
32.	0396 170270	block		1
33.	0396 170283	release cam		1
34.	9205 162168	screw	M5X6	1
35.	0430 277360	disc	5X9X0.6	1
36.	0467 100373A	Top cover		1
37.	0699 989250	rubber ring	D=3mm	1
38.	0894 450378	disc	5	1
39.	9357 000050	fastennig disc	RA3.2	1
40.	9334 001120	Washer	5X10X0.3	2
41.	9203 313652	sunk screw	M4X8	2
42.	9231 000378	hexagonal nut	M5	1
43.	9330 000087	disc	4	1
44.	9231 000377	hexagonal nut	M5	1
45.	0396 170260	arm		1
46.	0767 100180	Thread take-up lever guard	M4X6	1
47.	9234 000067	hexagonal nut	M4	1
48.	9330 000087	disc	4	1
49.	9202 042488	cyl. screw	M5X12	5
50.	9203 003647	cyl. Screw	M4X6	1

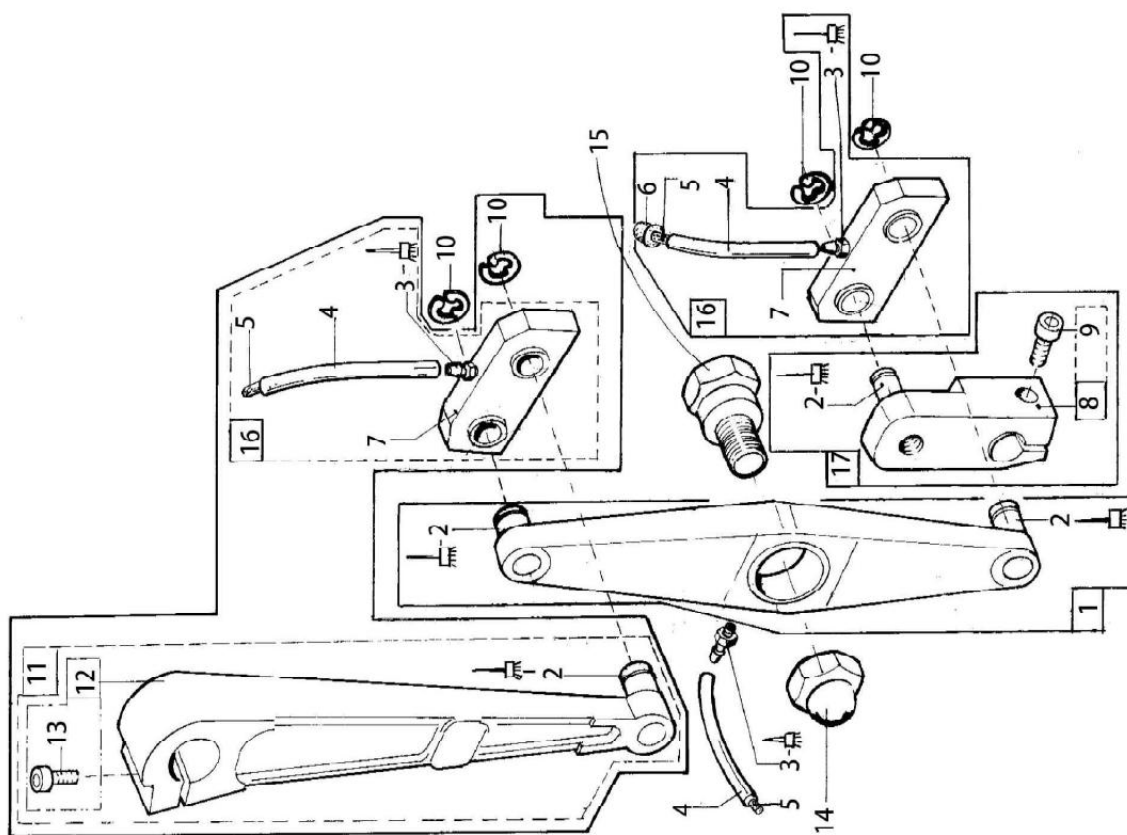
4. Presser Foot and Needle Bar Rocking Components



No.	Part No.	Name	Spec	Qty
1.	1367 120283	Rocking frame		1
2.	0367 120100	oil satchel		1
3.	9203 313668	sunk screw	M4X6	1
4.	9330 200097	disc	M4X12	1
5.	0367 120270	plate		1
6.	0367 120080	nipple		2
7.	9041 100020	oil wick,round	D=3MM	1
8.	9041 100031	oil wick,round	D=2MM	1
9.	0699 979100	hose	2.5LWX1	1
10.	0367 120050	slide guide		1
11.	9202 042078	cyl. screw		2
12.	0367 120110	threaded bolt		1
13.	0367 120040	slide block		1
14.	0767 120023	Needle bar connecting rod assembly		1
15.	0367 120030	bushing		1
16.	0367 120023	needle bar bock		1
17.	9205 161558	threaded pin		1
18.	9203 003662	cyl. screw		1
19.	0367 110520	thread lever crank		1
20.	0767 110093	Thread take-up lever		1
21.	0367 110040	bolt, stud		1
22.	9231 000367	hexagonal nut		1
23.	0367 110030	thread guide lever		1
24.	0367 110060	bolt, stud		1
25.	0367 110050	gasket		1
26.	0211 000208	needle rim	K7X10X8 TN	2

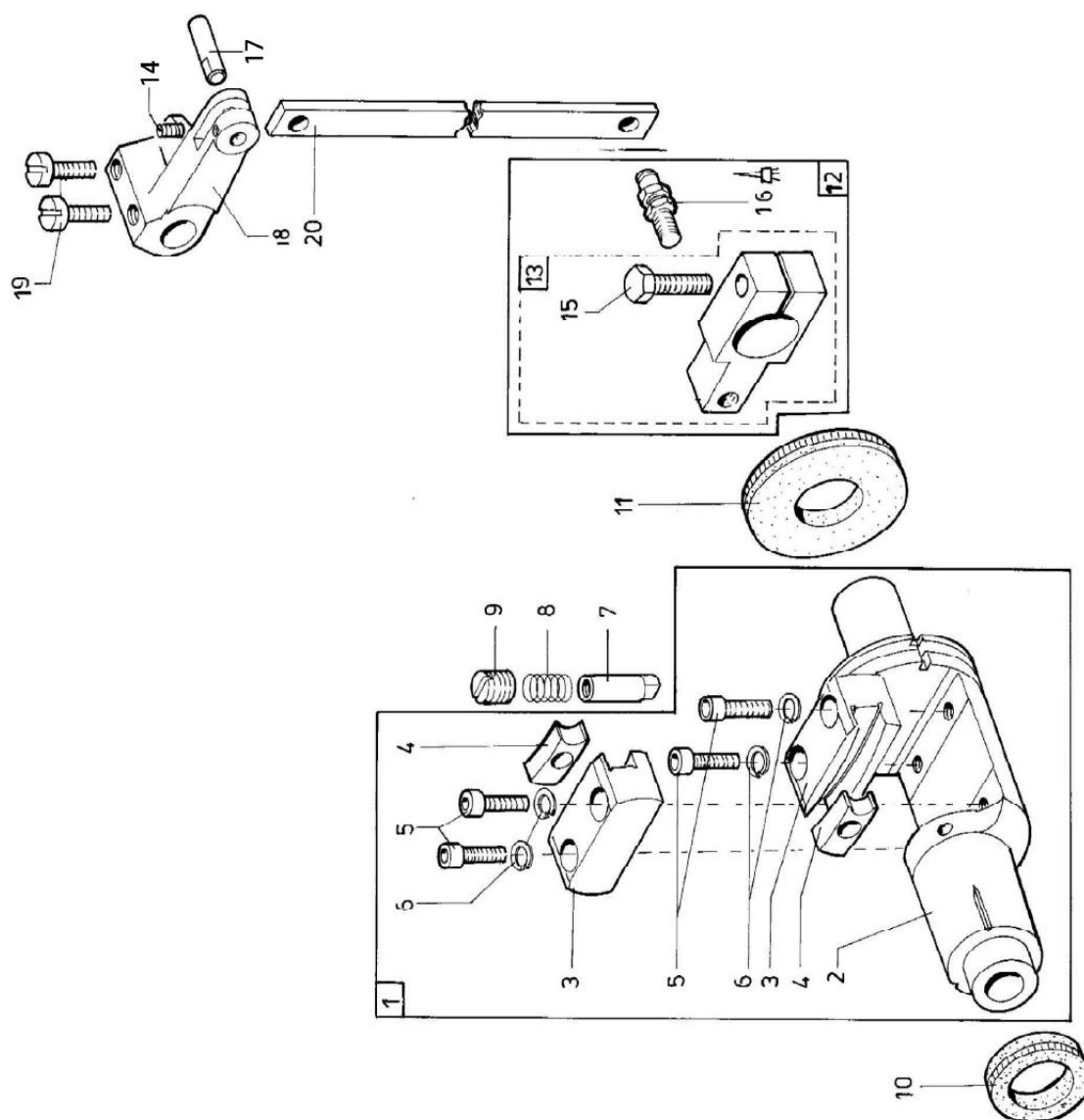
No.	Part No.	Name	Spec	Qty
27.	0367 110070	bushing		1
28.	9205 102168	threaded pin		1
29.	0367 310330	bushing		1
30.	0367 120160	oil wick		
31.	0367 120093	block		2
32.	9202 002097	cyl. screw		2
33.	9330 000087	disc		2
34.	1767 232010	Needle bar, double needle		1
35.	9202 001678	cyl. Screw	M3X16	1
36.	0767 120064	needle bar cpl		1
37.	1767 120060	Needle bar, single needle		1
38.	9205 101528	threaded pin	M3X3	1
39.	9203 312411	screw		1
40.	0291 000159	thread guide		1
41.	0367 120010	Needle bar connecting rod		1
42.	9120 030041	Bearing	608	2
43.	0367 110010	Thread guide ring		
44.	0367 110041	Washer	4.2X7X0.5	2
45.	9120 030041	Bearing	4X13X6/7	1
46.	0998 880120	support disc	15X21X1.5	2

5. Stitch Length Linkage Components



No.	Part No.	Name	Spec	Qty
1.	0768 310013	needle transp.lever		1
2.	0067 160490	bolt, stud		4
3.	0367 160320	nipple		3
4.	0699 979100	hose		3
5.	9041 100015	oil wick,round		3
6.	0367 160640	plug		1
7.	0367 311343	pull rod		2
8.	0367 310013	block cpl		1
9.	9202 002898	cyl. screw		1
10.	9357 000100	fastennig disc		4
11.	0367 310203	lever cpl		1
12.	0367 311363	lever		1
13.	9202 002908	cyl. Screw		1
14.	0768 310040	screw		1
15.	9233 010105	cap nut		1
16.	0367 310023	pull rod		1

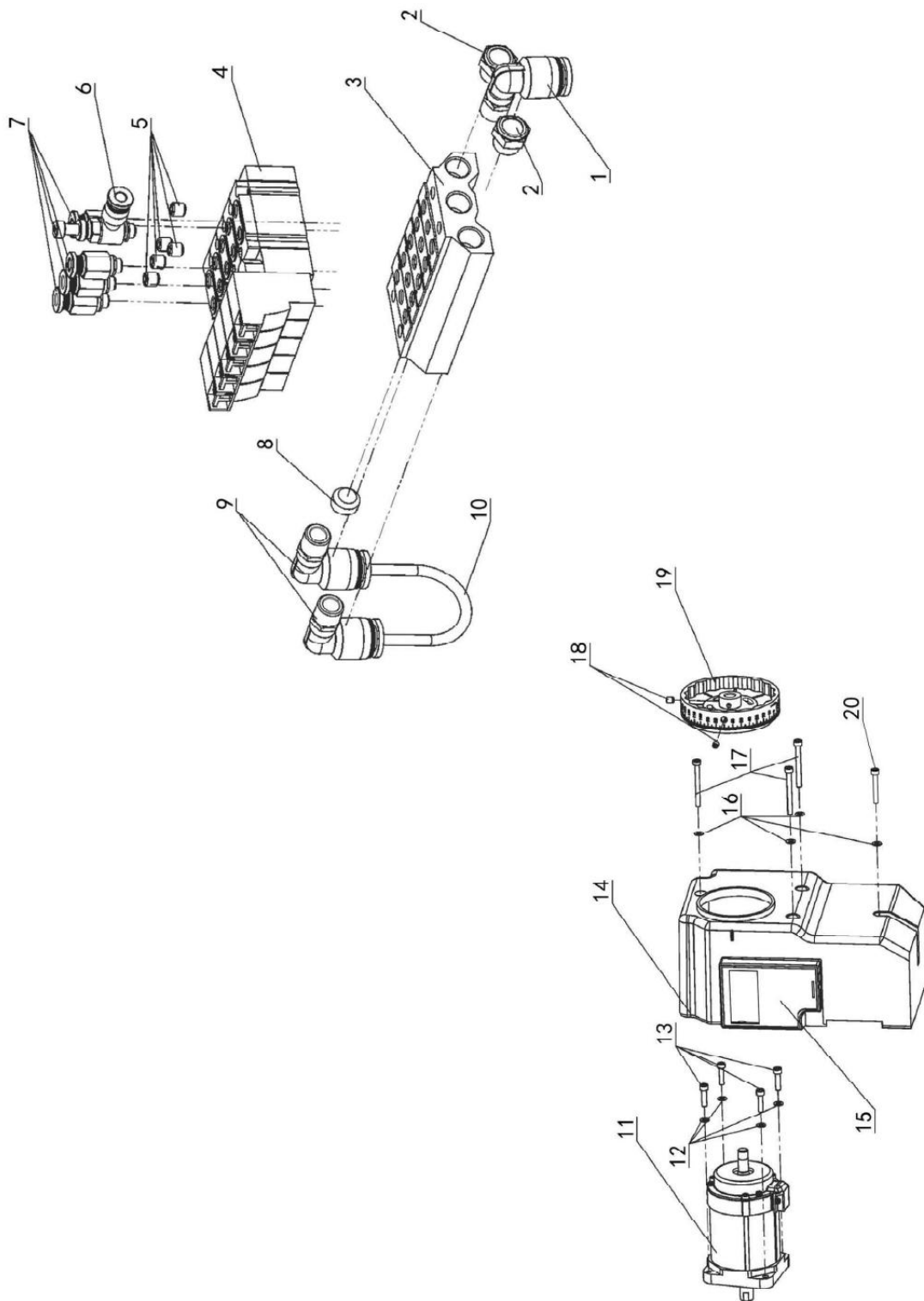
6. Reverse Stitching Components



Reverse Stitching Components

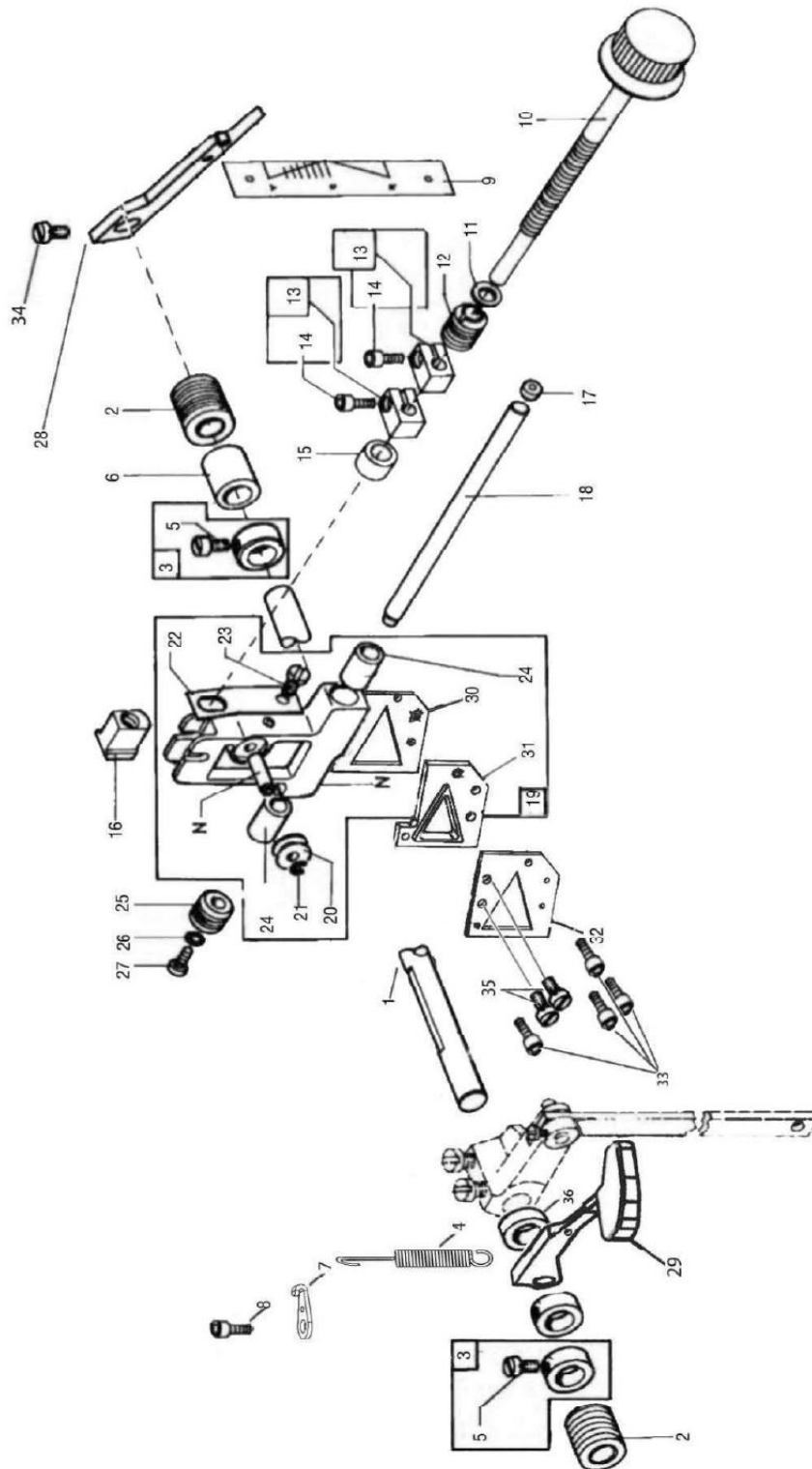
No.	Part No.	Name	Spec	Qty
1.	0367 160064	shaft cpl		1
2.	0367 160060	shaft		1
3.	0367 160070	guide		1
4.	0367 160090	slide block		1
5.	9202 002498	cyl. screw		4
6.	0894 700738	elastic washer		4
7.	0367 160110	key		1
8.	0367 160120	presser spring		1
9.	9205 024868	threaded pin		1
10.	0998 856800	sealing ring		1
11.	0998 857800	sealing ring		1
12.	0367 160383	block cpl		1
13.	0367 160373	block		1
14.	9205 101868	threaded pin		1
15.	9201 113338	screw		1
16.	0367 160380	bolt, stud		1
17.	0367 160360	bolt, stud		1
18.	0367 160340	lever		1
19.	0992 023800	cyl. screw		2
20.	0768 160020	rod		1

7. Electronic Control Solenoid Valve Components



No.	Part No.	Name	Spec	Qty
1.	PL801	Two-way fitting		1
2.	BSL01	Muffler		2
3.	7V0500M5F	Solenoid valve base		1
4.	7V0510M5B050	Solenoid valve		5
5.		Plug	M5X5	5
6.	PSL4M5	Air flow adjusting fitting		1
7.	PC4M5	Two-way fitting		1
8.		Plug	PT1/8X10	1
9.	PL401	Two-way fitting		2
10.		4 mm air tube		1
11.		Main shaft motor		1
12.	12-305 144-15	Stainless steel washer		1
13.		Screw	M5X20	4
14.		Electronic control		
15.		Operation panel		
16.	12-305 144-15	Stainless steel washer		1
17.		Screw	M5X55	3
18.		Set screw	M6X8	2
19.	7671-001010	Handwheel		1

8. Stitch Length Adjustment Components

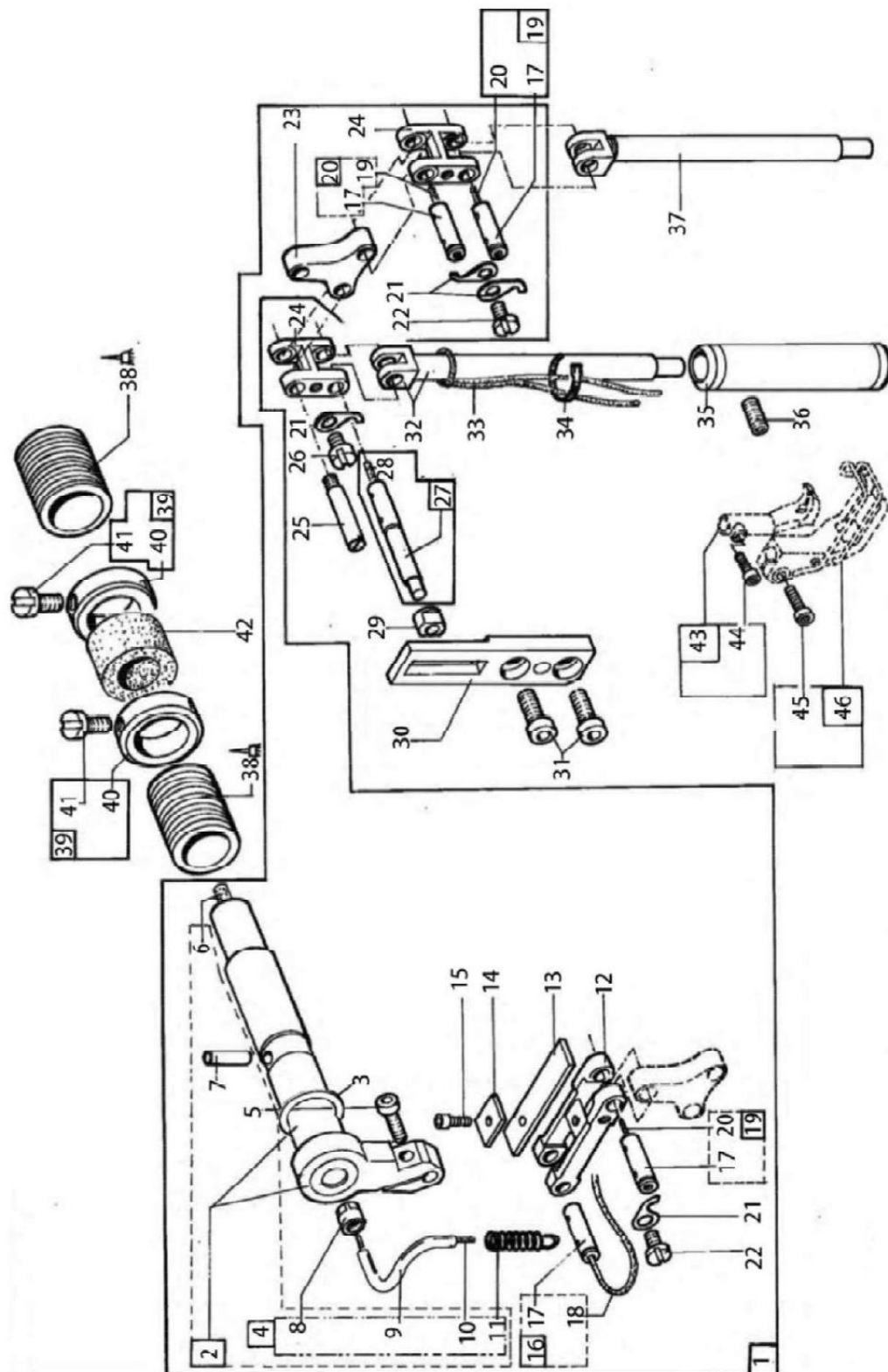


Stitch Length Adjustment Components

No.	Part No.	Name	Spec	Qty
1.	1367 160420	Reverse stitch lever shaft		1
2.	0367 130170	bushing		1
3.	0367 130153	set-ring, adjusting cpl		2
4.	1367 160480	Reverse stitch lever spring		1
5.	9203 003948	cyl. screw	M5X5	3
6.	0367 160690	bushing	12X18X20	1
7.	13.591.49.21	Hook		1
8.		Socket head cap screw	M5X10	1
9.	0367 160600	scala		1
10.	0367 160563	threaded spindle		1
11.	0053 000350	disc		1
12.	0367 160390	bushing		1
13.	0367 160333	block		2
14.	9202 002473	cyl. screw	M5X12	2
15.	0367 160750	Nylon retaining ring		1
16.	0367 160400	compens piece		1
17.	0467 160230	plug		1
18.	0367 160460	slide bar		1
19.	0367 160474	slide fork cpl		1
20.	0367 160530	roll, roller		1
21.	9357 000060	fastennig disc		1
22.	0367 160410	leaf spring		1
23.	9203 003947	cyl. screw		1
24.	0999 210839	bushing		1
25.	0367 160200	bushing		1
26.	9330 000087	disc		1

No.	Part No.	Name	Spec	Qty
27.	9202 002067	cyl. screw		1
28.	1768 350223	Indicator rod		1
29.	1768 000103	Reverse stitch lever		1
30.	1367 160610-1	Right stitch length triangular iron plate		1
31.	1367 160610-2	Stitch length triangular plastic plate		1
32.	1367 160610-3	Left stitch length triangular iron plate		1
33.	9202 002088	cyl. Screw	M4X4	4
34.	9202 002498	cyl. screw	M5X12	1
35.		Slotted screw	M5X20	2
36.		Washer	12X18X5.6	1

9. Presser Foot Lifting Components

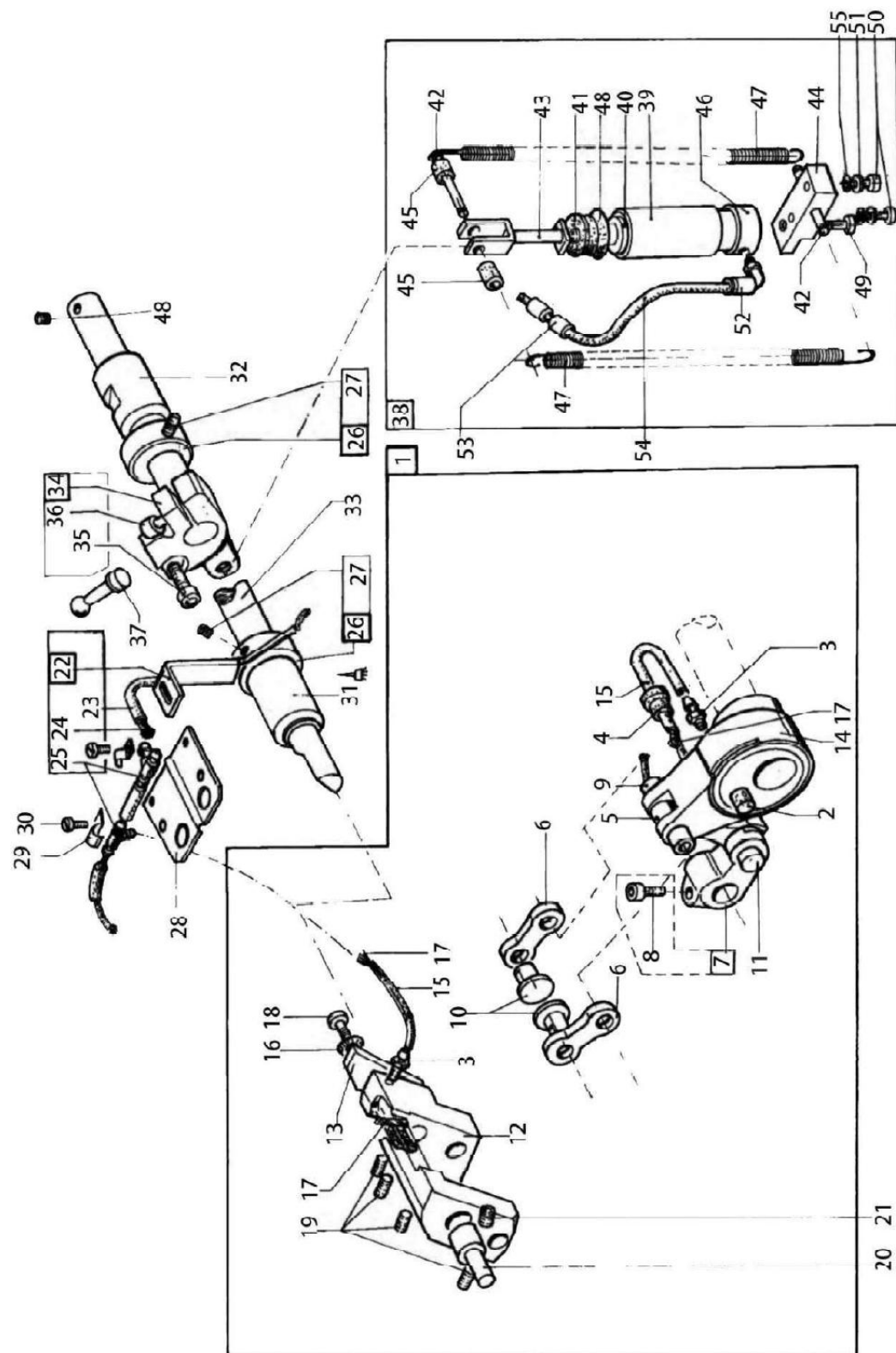


Presser Foot Lifting Components

No.	Part No.	Name	Spec	Qty
1.	0767 310014	joint cpl		1
2.	0467 310083	shaft		1
3.	9740 001215	O-ring	12X1.5	1
4.	0467 310123	hose cpl		
5.	9202 042087	cyl. screw	M6X12	1
6.	9041 100050	oil wick,round		1
7.	0467 310100	pin		1
8.	0367 310370	plug		1
9.	0699 979100	hose		1
10.	9041 100015	oil wick,round		1
11.	0467 310220	spring		1
12.	0467 310130	draught-rod		1
13.	0467 310140	oil satchel		1
14.	0467 310150	plate		1
15.	9202 001653	cyl. screw	M3X6	1
16.	0467 310173	bolt		1
17.	0367 310190	bolt, stud		1
18.	9041 100015	oil wick,round		1
19.	0467 310163	bolt cpl	D=1.5mm	1
20.	9041 100015	oil wick,round		1
21.	0367 310280	protection plate		1
22.	9203 003627	cyl. screw	M4X4	1
23.	0467 310180	rod		1
24.	0367 310210	joint		1
25.	0467 310200	bolt, stud		1
26.	9203 403670	screw	M4X8	1

No.	Part No.	Name	Spec	Qty
27.	0467 310213	bolt, cpl		1
28.	0699 991582	oil wick		1
29.	0367 130640	slide block		1
30.	1367 130630	Presser foot lifting guide		1
31.	9202 022488	cyl. screw	M5X12	2
32.	1467 130283	Outer presser foot bar		1
33.	0367 130680	oil wick		1
34.	9840 121001	cable tie		
35.	1367 130920	Presser bar sleeve		1
36.	9205 102088	Set screw	M5X10	1
37.	1467 310233	Inner presser foot bar		1
38.	0367 310330	bushing		1
39.	0367 310153	adj ring		2
40.	0367 310150	adj ring		2
41.	9203 003957	cyl. screw	M5X8	2
42.	0467 310110	ring		1
43.	0467 220013	Inner presser foot		1
44.	9202 002057	Socket head cap screw	M4X12	1
45.	0467 220043	Presser foot assembly		1
46.	9202 002087	Outer presser foot		1

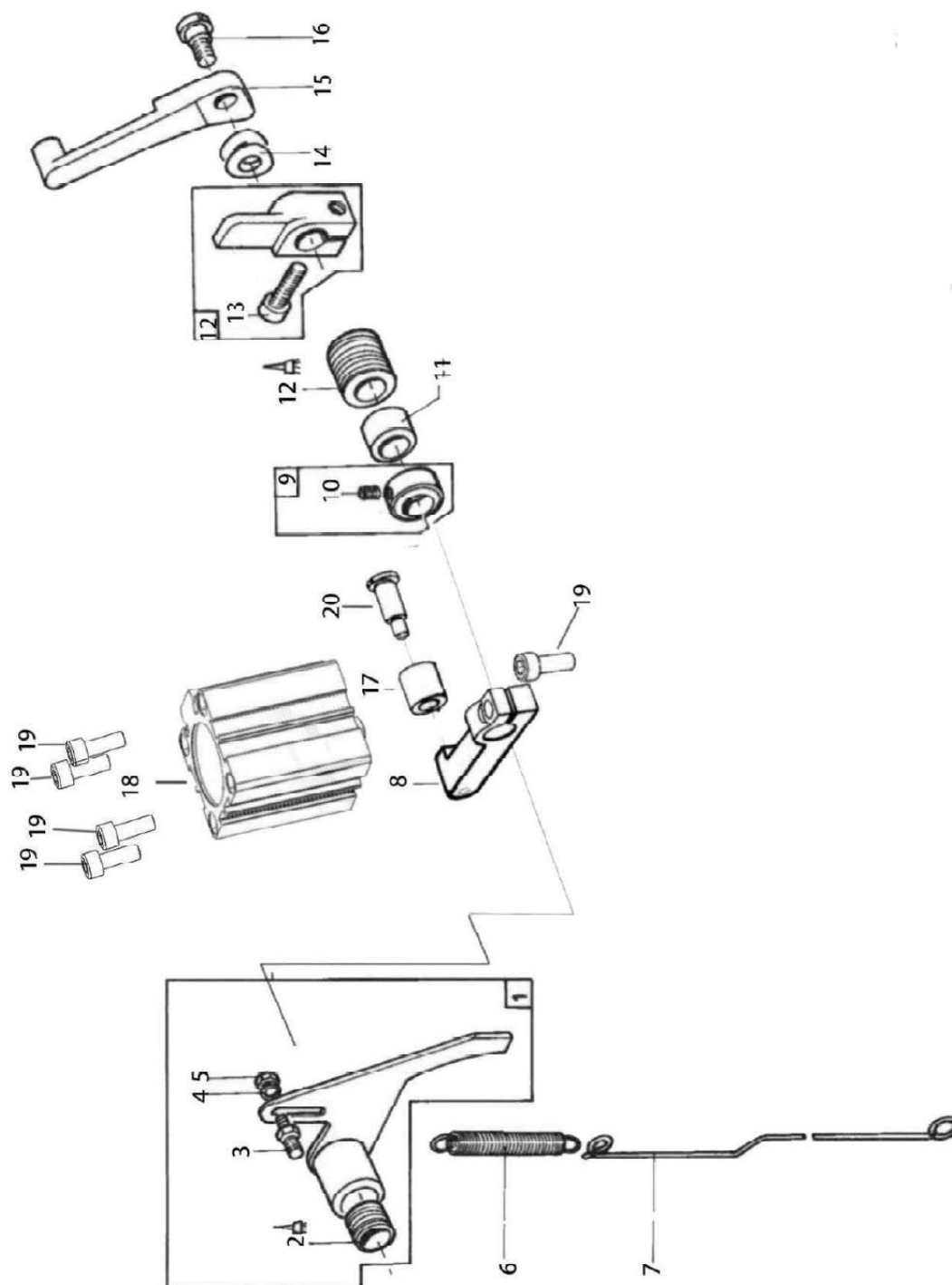
10. Alternating Stroke Components



No.	Part No.	Name	Spec	Qty
1.	0767 310034	lift gearing		1
2.	0069 120020	plug		1
3.	0367 160320	nipple		1
4.	0367 310360	plug		1
5.	0367 311093	draught-rod		1
6.	0367 311103	shackle		2
7.	0367 311113	block		1
8.	9202 002908	cyl. Screw	M6X20	1
9.	0367 311123	bolt		1
10.	0367 311130	bolt, stud		2
11.	0367 311140	bolt, stud		1
12.	0367 311190	frame		1
13.	0467 310070	plate		1
14.	0477 310213	pull rod		1
15.	0699 979100	hose	2.5LWX1	2
16.	0894 450378	disc	5	1
17.	9041 100015	oil wick,round	D=1.5mm	1
18.	9202 002478	cyl. Screw	M5X10	1
19.	9205 102178	threaded pin	M5X8	4
20.	0367 311170	bolt, stud		1
21.	9205 102488	threaded pin	M6X10	1
22.	0367 311163	oil tube cpl		1
23.	0699 979100	hose	2.5LWX1	1
24.	9041 100020	oil wick,round	D=2mm	1
25.	9790 020010	hose connection		1
26.	0367 310933	set-ring, adjusting		2
27.	9205 102158	threaded pin		2
28.	0367 311210	plate		1

No.	Part No.	Name	Spec	Qty
29.	9840 120203	clamp		2
30.	9202 002078	cyl. screw	M4X10	2
31.	0367 310330	bushing		1
32.	0367 311060	bushing		1
33.	0367 311150	shaft		1
34.	0367 311223	lever		1
35.	9202 002488	cyl. screw	M5X10	1
36.	9205 002908	Screw	M6X16	1
37.	0367 311240	ball pin		1
38.	0767 310114	cylinder cpl		1
39.	0367 310820	pipe		1
40.	0367 310830	piston		1
41.	0367 310850	disc	6X19X2	1
42.	0367 310860	bolt, stud		1
43.	0367 311010	draught-rod		1
44.	0367 311230	spacer		1
45.	0396 311260	Rubber sleeve		2
46.	0370 353072	cylinder base		1
47.	0396 160330	tensile spring		2
48.	0999 220852	gasket		1
49.	9202 002098	cyl. screw	M4X16	1
50.	9202 002777	cyl. screw	M5X18	2
51.	9330 000097	disc		2
52.	9790 201000	coupling		1
53.	0999 240404	coupling		1
54.	9731 006004	hose		1
55.	0396 140050	gasket		2

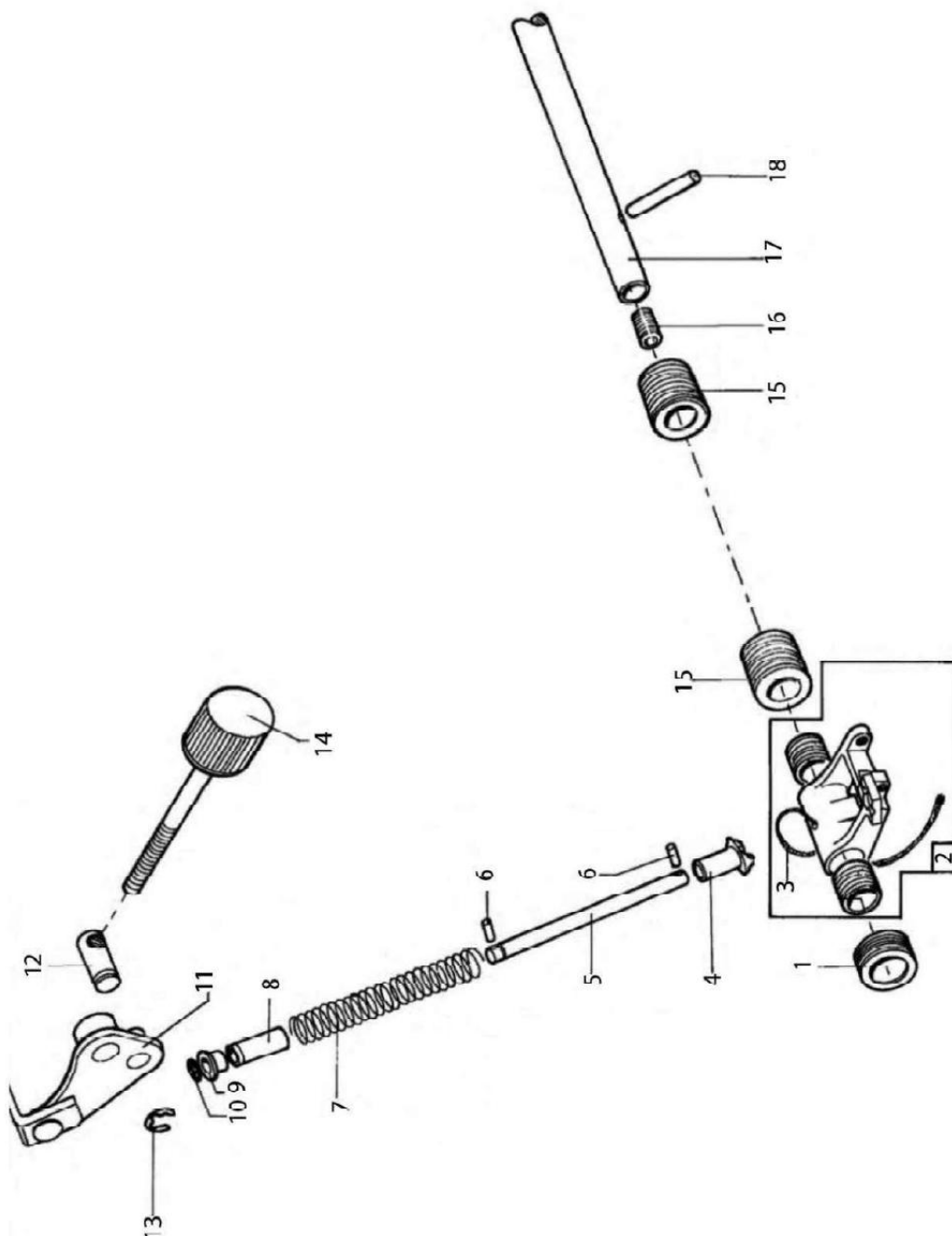
11. Presser Foot Lifter Components



Presser Foot Lifter Components

No.	Part No.	Name	Spec	Qty
1.	1367 160493	Pressure plate assembly		1
2.	1367 130340	Pressure plate bushing		1
3.	0367 160660	bolt, stud		1
4.	9330 000088	disc		1
5.	9231 110058	hexagonal nut	M5	1
6.	0367 160480	tensile spring		1
7.	1367 160430	Wire		1
8.	1477 130040	Presser foot lifting crank		1
9.	0367 130153	set-ring, adjusting cpl		1
10.	9203 003948	cyl. screw		1
11.	0367 130170	bushing	12X20X20	1
12.	0367 130253	Presser foot lifting lever assembly		1
13.	9202 002908	cyl. Screw	M6X20	1
14.	9332 500150	spring disc		2
15.	0367 130240	lifter lever		1
16.	0993 991910	countersunk screw		1
17.	1767 000010	Bushing		1
18.		Presser foot lifting cylinder	Bore 32X30	1
19.	9202 011877	Socket head cap screw	M6X16	4
20.	H08003805C	Shoulder screw		1

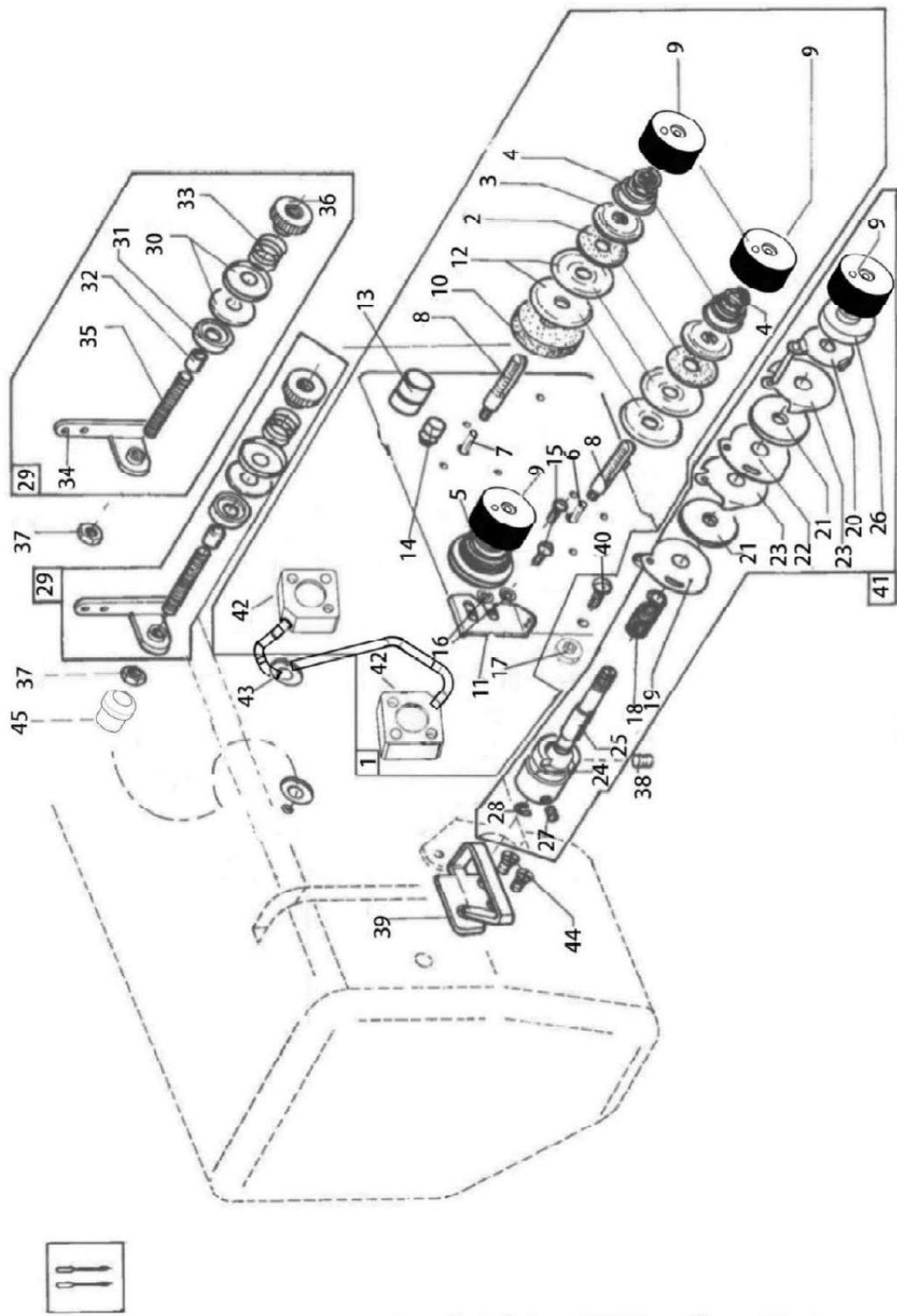
12. Presser Foot Pressure Adjustment Components



Presser Foot Pressure Adjustment Components

No.	Part No.	Name	Spec	Qty
1.	0367 130180	bushing	12X20X10	1
2.	0467 310193	fork lever cpl		1
3.	9041 100015	oil wick,round		1
4.	0467 130340	guide		1
5.	0367 130720	bar		1
6.	0935 004395	pin		2
7.	0367 130600	pressure spring		1
8.	0367 130710	bushing		1
9.	0568 330100	bushing		1
10.	9357 000070	fastennig disc		1
11.	0467 130304	spring lever	12X20X20	1
12.	0367 130130	bolt, stud		1
13.	9357 000090	fastennig disc		1
14.	0367 130273	spindel		1
15.	0367 130170	bushing		2
16.	9205 102798	threaded pin		1
17.	1467 130320	Presser foot lifting shaft		1
18.	9301 102243	pin		1

13. Double Needle Thread Tension Components

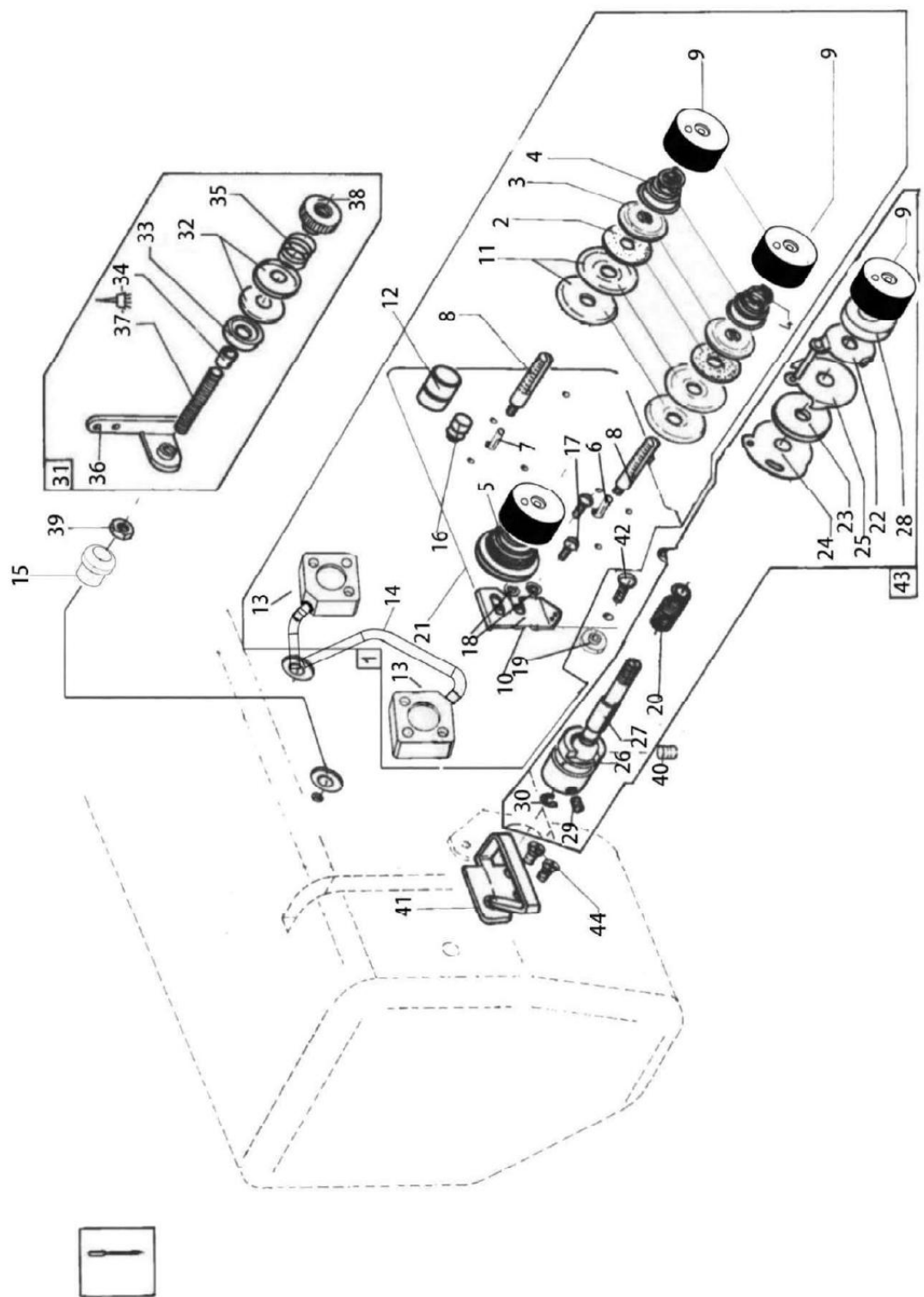


Double Needle Thread Tension Components

No.	Part No.	Name	Spec	Qty
1.	0767 11024	Thread tension plate assembly		1
2.	0016 004010	disc		4
3.	0061 001050	disc		4
4.	0099 004800	conic spring (1,4)		4
5.	0099 004910	conic spring (1,1)		1
6.	0367 110380	Thread release pin	1.8X12.5	2
7.	0367 110390	Thread release pin		2
8.	0367 110120	thread tension bolt		4
9.	0381 110043	Thread tension nut		6
10.	0367 110140	disc		1
11.	0367 110580	thread guide		1
12.	0467 110220	tension disc		8
13.	0367 110240	Thread retaining plate		1
14.	0467 110250	Thread guide post		1
15.	9217 300517	Screw	M4X6	2
16.	9330 000087	disc		2
17.	0367 110130	Lockstitch drive washer		1
18.	0068 000280	tension spring		1
19.	0367 110350	washer		1
20.	0367 110183	cover disk		1
21.	0367 110340	tension roller		2
22.	0367 110350	washer		1
23.	0367 110360	disc		1
24.	0367 110160	Adjusting sleeve		1
25.	0367 110170	Thread tension screw		1
26.	0367 110290	bushing		1
27.	9205 102158	threaded pin	M4X5	1
28.	9357 000060	fastennig disc		1

No.	Part No.	Name	Spec	Qty
29.	0221 110154	pretension		1
30.	0037 001280	thread tension disc		4
31.	0221 110150	disc		2
32.	0221 110160	bushing		2
33.	0396 110470	presser spring		2
34.	0396 170160	thread guide		2
35.	0396 170170	threaded bolt		2
36.	0993 411208	knurled nut	M5X5	2
37.	9231 000377	hexagonal nut	M5	2
38.	9205 102158	threaded pin	M5X5	1
39.	0367 110370	Right thread hook		1
40.	9204 001767	Slotted screw	M4X10	1
41.	0367 110254	Thread tensioner assembly		1
42.	CQ10-1.5-3024	Square cylinder	18X18	2
43.		Air tube	4mm	2
44.	9225 201750	Screw	M4X8	2
45.	0767 100010	plug		1

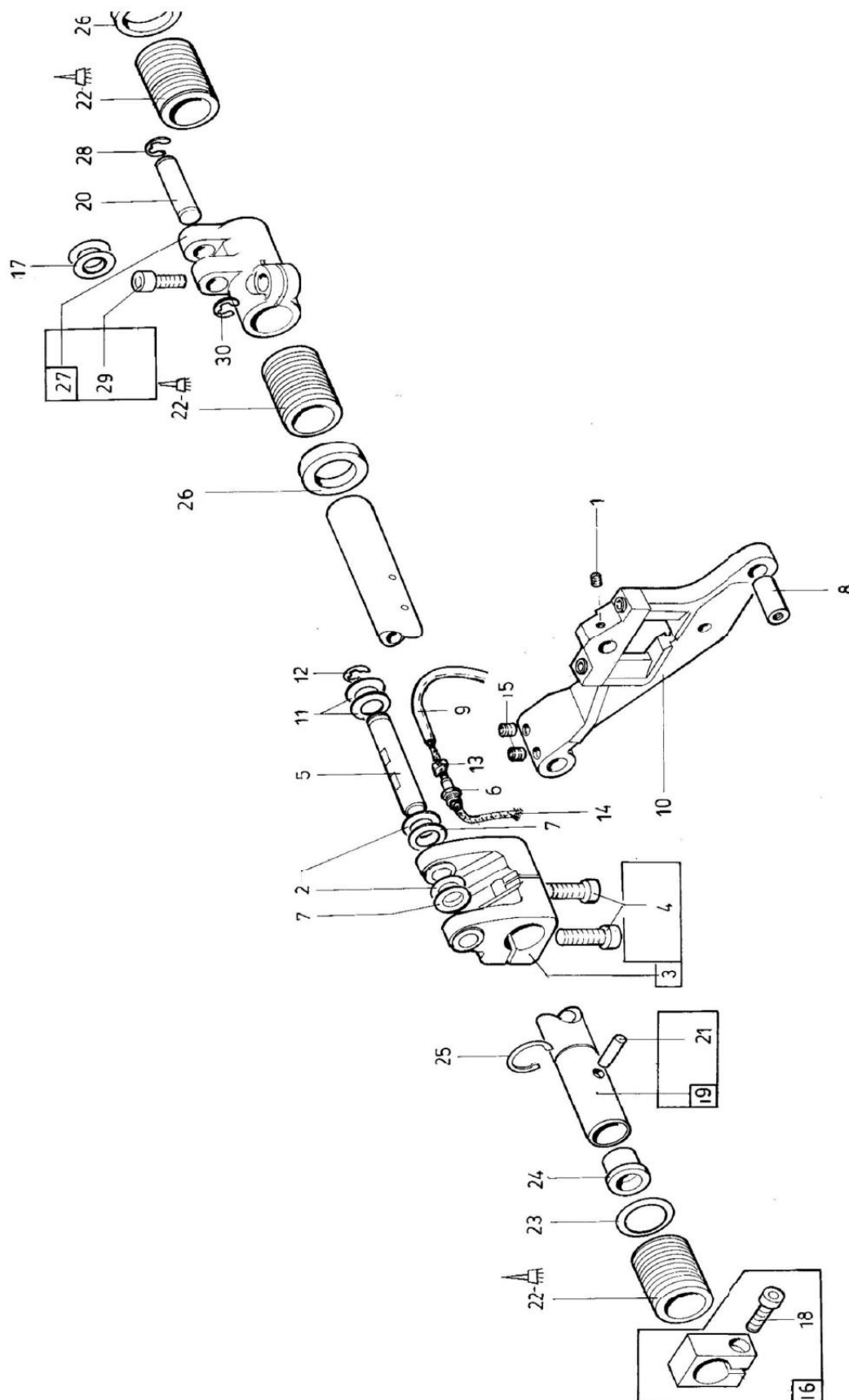
14. Single Needle Thread Tension Components



No.	Part No.	Name	Spec	Qty
1.	0767 110014	Thread tension plate assembly		1
2.	0016 004010	disc		2
3.	0061 001050	disc		2
4.	0099 004800	conic spring (1,4)		2
5.	0099 004910	conic spring (1,1)		1
6.	0367 110380	Thread release pin	1.8X12.5	1
7.	0367 110390	Thread release pin		1
8.	0367 110120	thread tension bolt		2
9.	0381 110043	Thread tension nut		4
10.	0367 110580	thread guide		1
11.	0467 110220	tension disc		6
12.	0367 110240	Thread retaining plate		1
13.	CQ10-1.5-3024	Square cylinder	18X18	2
14.		Air tube	4mm	1
15.	0767 100010	plug		1
16.	0467 110250	Thread guide post		1
17.	9217 300518	screw	M4X6	2
18.	9330 000088	disc	4	2
19.	0367 110130	Washer		1
20.	0068 000280	tension spring		1
21.	0367QD 0110110	Thread tension plate		1
22.	0367 110183	cover disk		1
23.	0367 110340	tension roller		1
24.	0367 110350	washer		1
25.	0367 110360	disc		1
26.	0367 110160	Adjusting sleeve		1
27.	0367 110170	Thread tension screw		1
28.	0367 110290	bushing		1

No.	Part No.	Name	Spec	Qty
29.	9205 102158	threaded pin		1
30.	9357 000060	fastennig disc		1
31.	0221 110154	pretension		1
32.	0037 001280	thread tension disc		4
33.	0221 110150	disc		2
34.	0221 110160	bushing		2
35.	0396 110470	presser spring		2
36.	0396 170160	thread guide		2
37.	0396 170170	threaded bolt		2
38.	0993 411208	knurled nut	M5X5	2
39.	9231 000377	hexagonal nut	M5	2
40.	9205 102158	threaded pin	M5X5	1
41.	0367 110370	Right thread hook		1
42.	9204 001767	Slotted screw	M4X10	1
43.	0367 110164	Thread tensioner assembly		1
44.	9225 201750	Screw	M4X8	2

15. Feed Dog Components



Feed Dog Components

No.	Part No.	Name	Spec	Qty
1.	9205 101868	threaded pin		1
2.	0296 000510	disc	7X13X0.1	4
3.	0367 160233	block		1
4.	9202 042508	cyl. screw	M6X16	2
5.	0367 160240	bolt, stud		1
6.	0367 160320	nipple		1
7.	0467 160120	washer		1
8.	0467 160220	bolt, stud		1
9.	0699 979100	hose		1
10.	0768 160043	feed bar		1
11.	0996 031118	spring	7X13X0.5	2
12.	9357 000070	fastennig disc		1
13.	0999 220694	hose clamp		1
14.	9041 100015	oil wick,round		1
15.	9205 023920	threaded pin		1
16.	0396 160553	block cpl		1
17.	0998 881070	washer	7X13X0.5	2
18.	9202 002088	cyl. Screw	M4X14	3
19.	0367 160053	advance shaft		1
20.	0367 160310	bolt, stud		1
21.	0367 160680	pin		2
22.	0367 160130	bushing	15X21X0.5	1
23.	0998 881620	washer		3
24.	0367 160640	plug		1
25.	0998 830318	halfmoonring	15X21X4.5	1
26.	0999 210834	gasket ring		3
27.	0477 160223	crank		1
28.	9357 000070	fastennig disc		1
29.	9202 042888	cyl. screw		1

This technical drawing is an exploded view of a mechanical assembly, likely a pump or motor component. It shows the following parts and sub-assemblies:

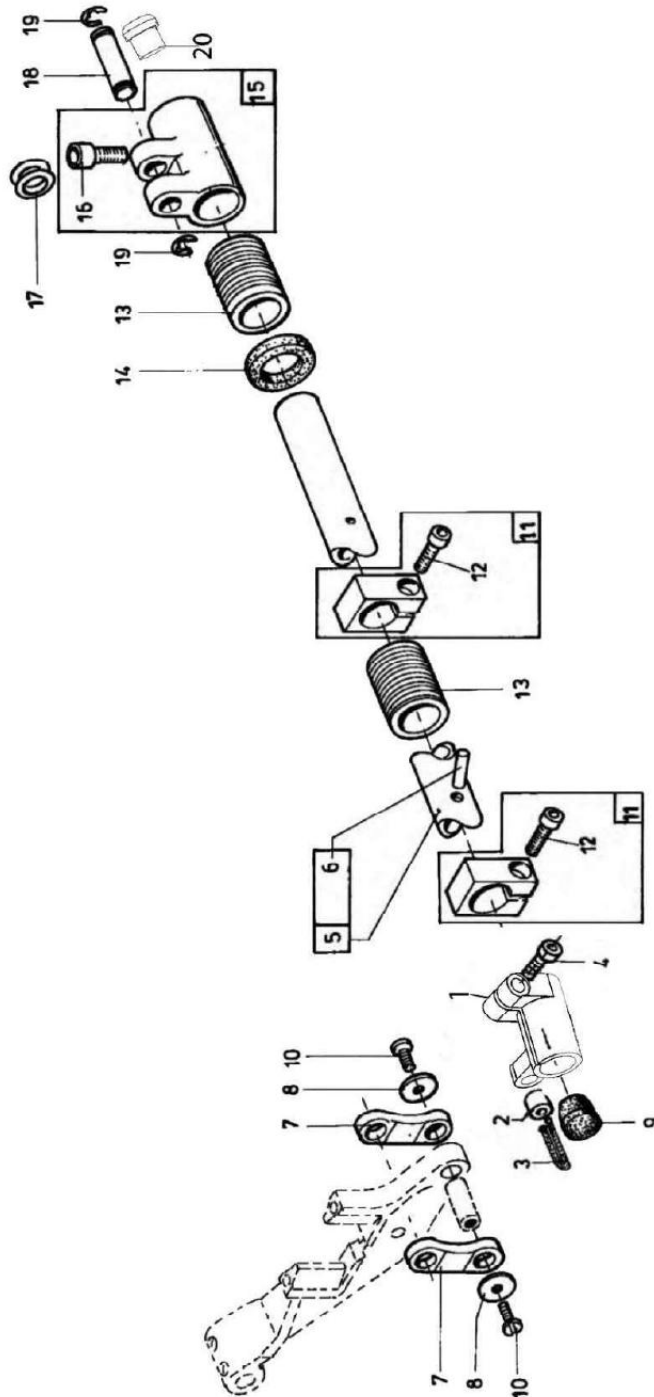
- Main Components:**
 - 3:** A large cylindrical housing or pump body.
 - 4:** A gear or impeller mounted on a shaft.
 - 5:** A small cylindrical component, possibly a seal or plug.
 - 6:** A circular plate or flange.
 - 7:** A small circular component, possibly a seal or plug.
 - 8:** A small cylindrical component, possibly a seal or plug.
 - 9:** A small cylindrical component, possibly a seal or plug.
 - 10:** A long, thin cylindrical component, possibly a shaft or pin.
 - 11:** A small cylindrical component, possibly a seal or plug.
 - 12:** A sub-assembly consisting of parts 13, 14, and 15.
 - 13:** A small cylindrical component, possibly a seal or plug.
 - 14:** A small cylindrical component, possibly a seal or plug.
 - 15:** A small cylindrical component, possibly a seal or plug.
 - 16:** A sub-assembly consisting of parts 17, 18, and 19.
 - 17:** A small cylindrical component, possibly a seal or plug.
 - 18:** A small cylindrical component, possibly a seal or plug.
 - 19:** A small cylindrical component, possibly a seal or plug.
 - 20:** A small cylindrical component, possibly a seal or plug.
 - 21:** A small cylindrical component, possibly a seal or plug.
 - 22:** A small cylindrical component, possibly a seal or plug.
 - 23:** A small cylindrical component, possibly a seal or plug.
 - 24:** A small cylindrical component, possibly a seal or plug.
 - 25:** A small cylindrical component, possibly a seal or plug.
 - 26:** A sub-assembly consisting of parts 27, 28, and 29.
 - 27:** A small cylindrical component, possibly a seal or plug.
 - 28:** A small cylindrical component, possibly a seal or plug.
 - 29:** A small cylindrical component, possibly a seal or plug.
 - 30:** A small cylindrical component, possibly a seal or plug.
 - 31:** A small cylindrical component, possibly a seal or plug.
 - 32:** A small cylindrical component, possibly a seal or plug.
 - 33:** A sub-assembly consisting of parts 34, 35, and 36.
 - 34:** A small cylindrical component, possibly a seal or plug.
 - 35:** A small cylindrical component, possibly a seal or plug.
 - 36:** A small cylindrical component, possibly a seal or plug.
 - 37:** A small cylindrical component, possibly a seal or plug.
 - 38:** A small cylindrical component, possibly a seal or plug.
 - 39:** A small cylindrical component, possibly a seal or plug.
 - 40:** A small cylindrical component, possibly a seal or plug.
 - 41:** A small cylindrical component, possibly a seal or plug.

The diagram uses dashed lines to indicate the assembly sequence and alignment of the components. The parts are numbered 1 through 41, and the sub-assemblies are numbered 12, 16, 26, 27, and 33.

No.	Part No.	Name	Spec	Qty
1.	0267 150110	Clutch spring		2
2.	1367 150170	Clutch retaining plate		1
3.	0268 150260	Clutch body		1
4.	1367 151010	Lower timing pulley		1
5.	9205 102498	threaded pin	M6X12	2
6.	9352 000220	retainer ring		1
7.	9203 313022	Clutch screw		2
8.	9205 102464	Screw	M6X6	2
9.	9129 020310			2
10.	0367 150960	shaft		1
11.	0367 160320	nipple		2
12.	0367 150103	coupling claw		1
13.	9205 122498	threaded pin	M6X12	1
14.	9205 122488	threaded pin	M6X10	1
15.	0367 150080	toothed wreath, cog		1
16.	0367 150093	coupling claw cpl		1
17.	9205 122488	threaded pin	M6X8	1
18.	9205 102478	threaded pin	M6X8	1
19.	0998 856900	sealing ring		1
20.	0998 860670	ring		1
21.	0367 150930	bushing		1
22.	0370 221230	presser spring		1
23.	0367 150950	piston		1
24.	0367 150070	threaded pin	M6X15	1
25.	0367 150940	roller		1
26.	0367 160253	draught-rod		1
27.	0367 160273	pull rod		1
28.	0367 160290	lever		1

No.	Part No.	Name	Spec	Qty
29.	0367 160100	bolt, stud		1
30.	0367 160310	bolt, stud		3
31.	9357 000070	fastennig disc		7
32.	0367 160090	slide block		2
33.	0467 160133	eccentric		1
34.	9205 102478	threaded pin		2
35.	1367 150050	Lower shaft rear bushing		1
36.	0998 852260	sealing ring		1
37.	1367 160183S	Eccentric sleeve		1
38.	9205 102468	threaded pin	M6X6	2
39.	1367 150120	Rotary hook shaft		1
40.	9305 000820	pin		1
41.	9330 000067	Washer		2

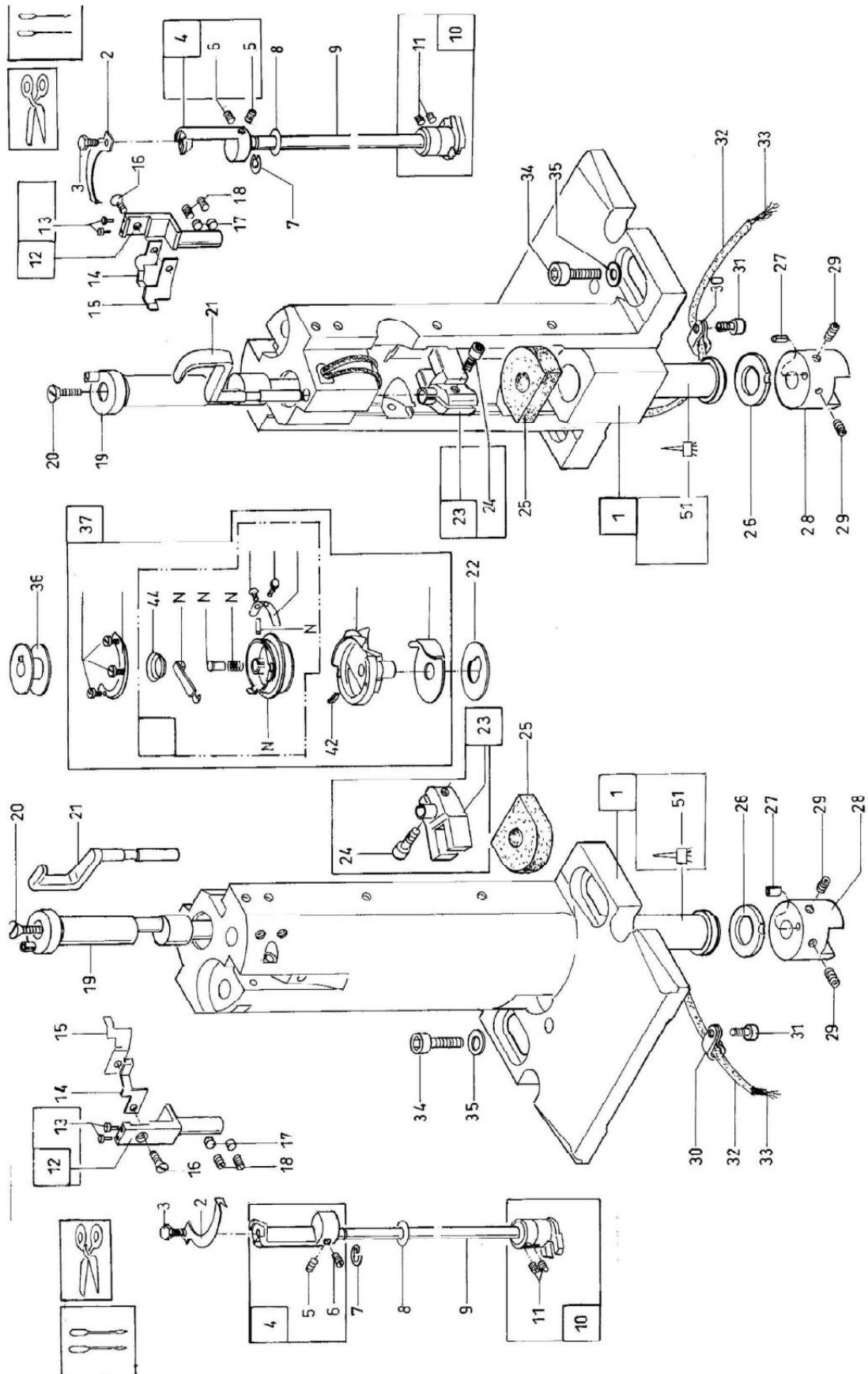
17. Feed Lifting Shaft Components



Feed Lifting Shaft Components

No.	Part No.	Name	Spec	Qty
1.	0667 160060S	Crank		1
2.	0467 160190	bolt, stud		1
3.	9041 100020	oil wick, round		1
4.	9202 002508	cyl. screw		1
5.	1467 160172	Feed lifting shaft		1
6.	0367 160680	pin		1
7.	0467 160200	oscillating frame		2
8.	0467 160210	disc	3.2x12x1.2	1
9.	0467 160100	plug		1
10.	9203 003057	cyl. screw	M3x8	2
11.	0396 160553	block		2
12.	9202 002088	cyl. Screw	M4x14	2
13.	0367 160130	bushing	15x21x25	1
14.	0999 210834	gasket ring	15x21x4.5	1
15.	0477 160223	crank		1
16.	9202 042888	cyl. screw	M6X12	1
17.	0998 881070	washer	7x13x0.3	2
18.	0367 160310	bolt, stud		1
19.	9357 000070	fastennig disc	RA5	2
20.	9190 400100	Feed lifting shaft rear plug		1

18. Double Needle Thread Trimmer Rotary Hook Base Components



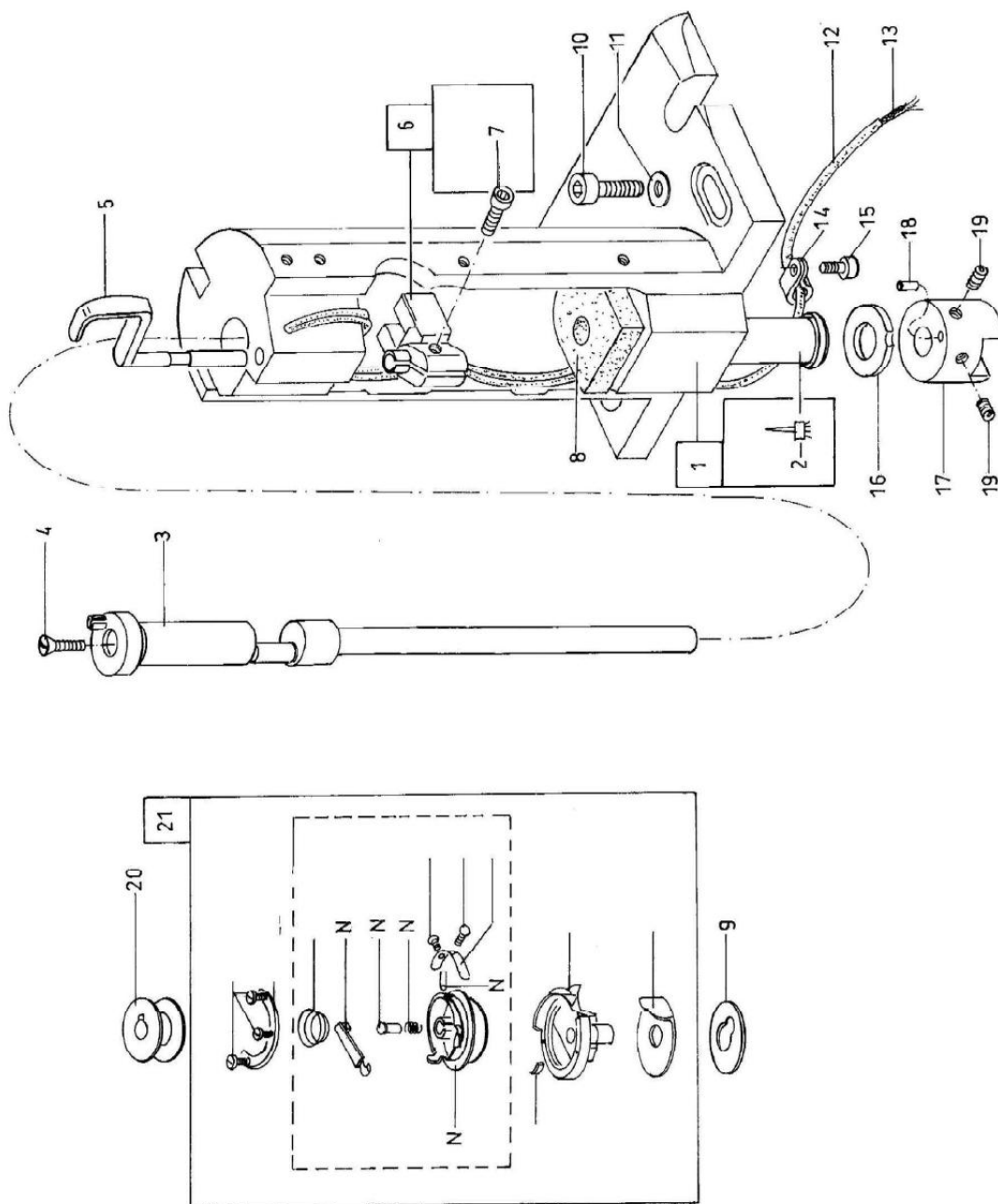
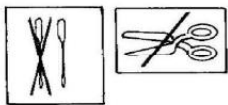
Model: 768RB-D-7DD

Double Needle Thread Trimmer Rotary Hook Base Components

No.	Part No.	Name	Spec	Qty
1.	0768 150203	hook column		2
2.	0768 350170	knife		2
3.	0992 024020	hexagonal nut		2
4.	0268 350023	knife bearer cpl		2
5.	0992 019490	threaded pin		2
6.	0992 019470	threaded pin		2
7.	9357 000080	locking washer		2
8.	9334 000040	adjusting washer (0,1)		2
9.	0768 350120	knife shaft		2
10.	0768 350113	lever cpl		2
11.	9205 102158	threaded pin		2
12.	0268 350053	knife bearer		2
13.	9203 001821	cyl. Screw		2
14.	0268 350040	lock spring		2
15.	0268 350030	counter-knife		2
16.	9203 312421	sunk screw		2
17.	0268 350530	pressure pin		2
18.	0993 950818	threaded pin		4
19.	0768 150223	gook shaft		1
20.	9400 000111	screw		2
21.	0768 150170	lifter lever		2
22.	0768 150310	washer (0,1)		2
23.	0768 150163	lifter fork cpl		2
24.	9202 002068	cyl. Screw		2
25.	0268 150550	oil cushion		2
26.	0768 150060	washer		2
27.	9305 001620	pin		2
28.	0768 150100	clutch		2
29.	9205 102178	threaded pin		4

No.	Part No.	Name	Spec	Qty
30.	9840 120025	clip		2
31.	9400 000121	screw		2
32.	0699 979100	hose		2
33.	9041 100015	oil wick		2
34.	9202 042897	cyl. Screw		4
35.	9330 000108	washer		4
36.	0245 001660 A	Bobbin		2
37.	0768 151834	hook cpl		2

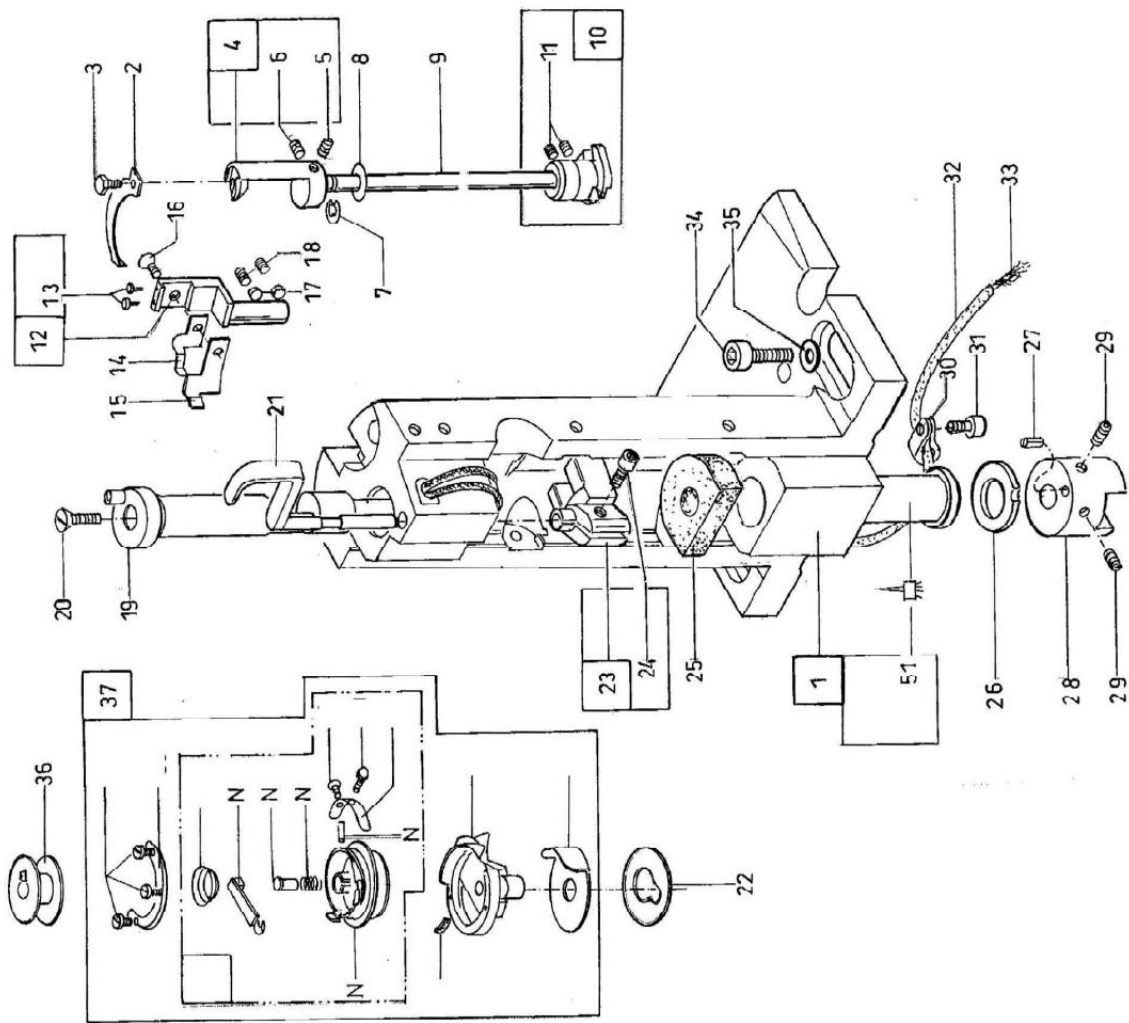
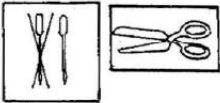
19. Single Needle Rotary Hook Base Right Components



Single Needle Rotary Hook Base Right Components

No.	Part No.	Name	Spec	Qty
1.	0768 150044	hook column cpl		1
2.	0768 150180	bushing		1
3.	0768 150223	hook shaft cpl		1
4.	9400 000111	screw		1
5.	0768 150170	lifting lever		1
6.	0768 150163	lifting fork cpl		1
7.	9202 002068	cyl. Screw		1
8.	0268 150550	oil satchel		1
9.	0768 150310	washer (0,1)		1
10.	9202 042897	cyl. Screw		1
11.	9330 000108	washer		1
12.	0699 979100	hose		1
13.	9041 100015	oil wick		1
14.	9840 120026	clamp		1
15.	9400 000121	screw		1
16.	0768 150060	washer		1
17.	0768 150100	coupler		1
18.	9305 001620	pin		1
19.	9205 102178	threaded pin		2
20.	0167 001800	bobbin		1
21.	0768 151834	hook cpl		1

20. Single Needle Thread Trimming Rotary Hook Base Right Components

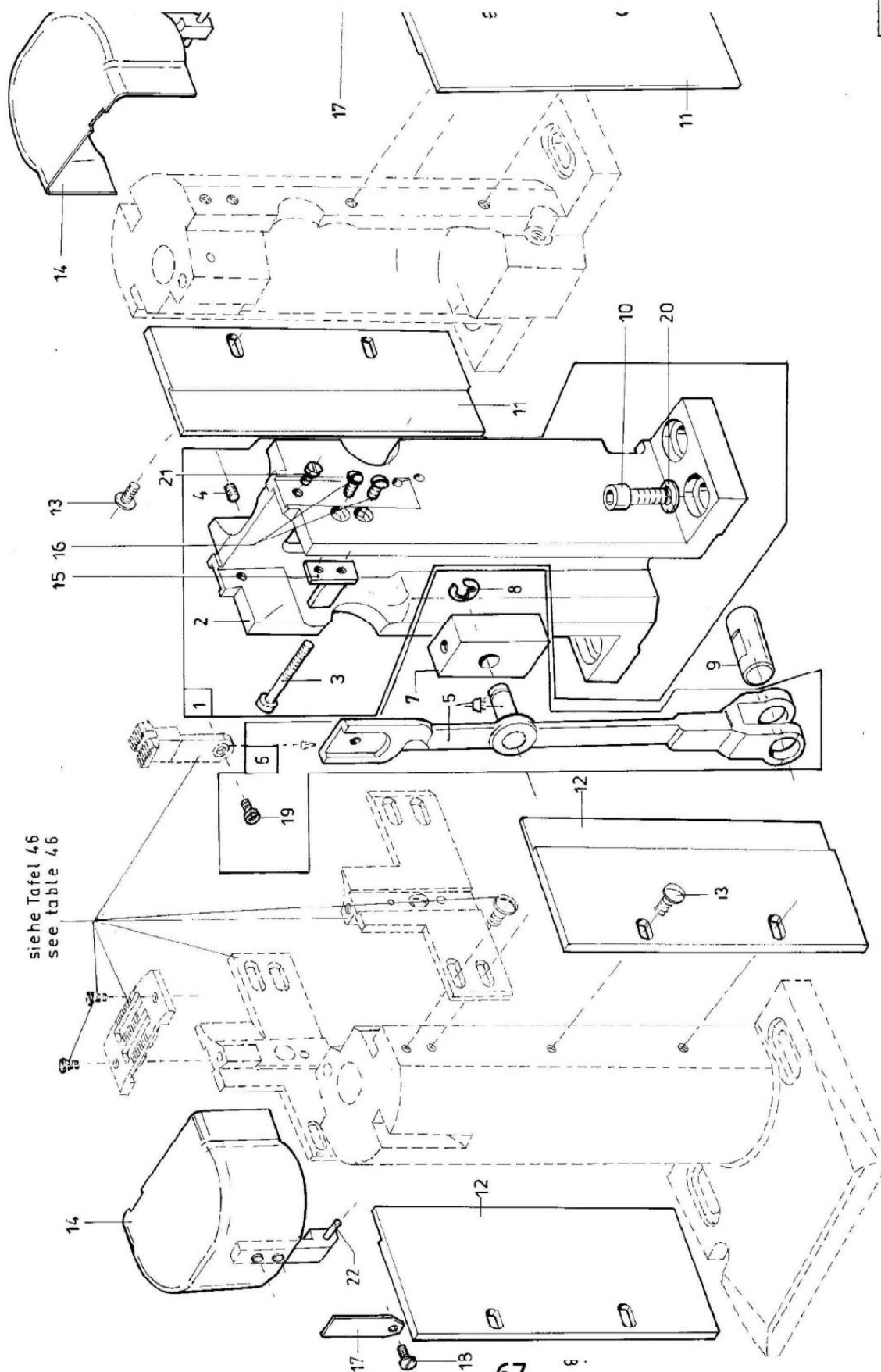
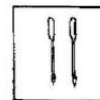


Model: 768RB-D-7DD Single Needle Thread Trimming Rotary Hook Base Right Components

No.	Part No.	Name	Spec	Qty
1.	0768 150203	hook column cpl		2
2.	0768 350170	knife		2
3.	0992 024020	hexagonal nut		2
4.	0268 350023	knife bearer		2
5.	0992 019490	threaded pin		2
6.	0992 019470	threaded pin		2
7.	9357 000080	locking washer		2
8.	9334 000040	adjusting washer (0,1)		2
9.	0768 350120	knife shaft		2
10.	0768 350113	lever cpl		2
11.	9205 102158	threaded pin		2
12.	0268 350053	knife bearer		2
13.	9203 001821	cyl. Screw		2
14.	0268 350040	lock spring		2
15.	0268 350030	counter knife		2
16.	9203 312421	sunk screw		2
17.	0268 350530	pressure pin		2
18.	0993 950818	threaded pin		4
19.	0768 150223	hook shaft cpl		1
20.	9400 000111	screw		2
21.	0768 150170	lifter lever		2
22.	0768 150310	washer (0,1)		2
23.	0768 150163	lifter fork cpl		2
24.	9202 002068	cyl. Screw		2
25.	0268 150550	oil cushion		2
26.	0768 150060	washer		2
27.	9305 001620	pin		2
28.	0768 150100	clutch		2
29.	9205 102178	threaded pin		4

No.	Part No.	Name	Spec	Qty
30.	9840 120025	clip		2
31.	9400 000121	screw		2
32.	0699 979100	hose		2
33.	9041 100015	oil wick		2
34.	9202 042897	cyl. Screw		4
35.	9330 000108	washer		4
36.	0245 001660 A	Bobbin		2
37.	0768 151834	hook cpl		2

21. Double Needle Feed Dog Bracket Components

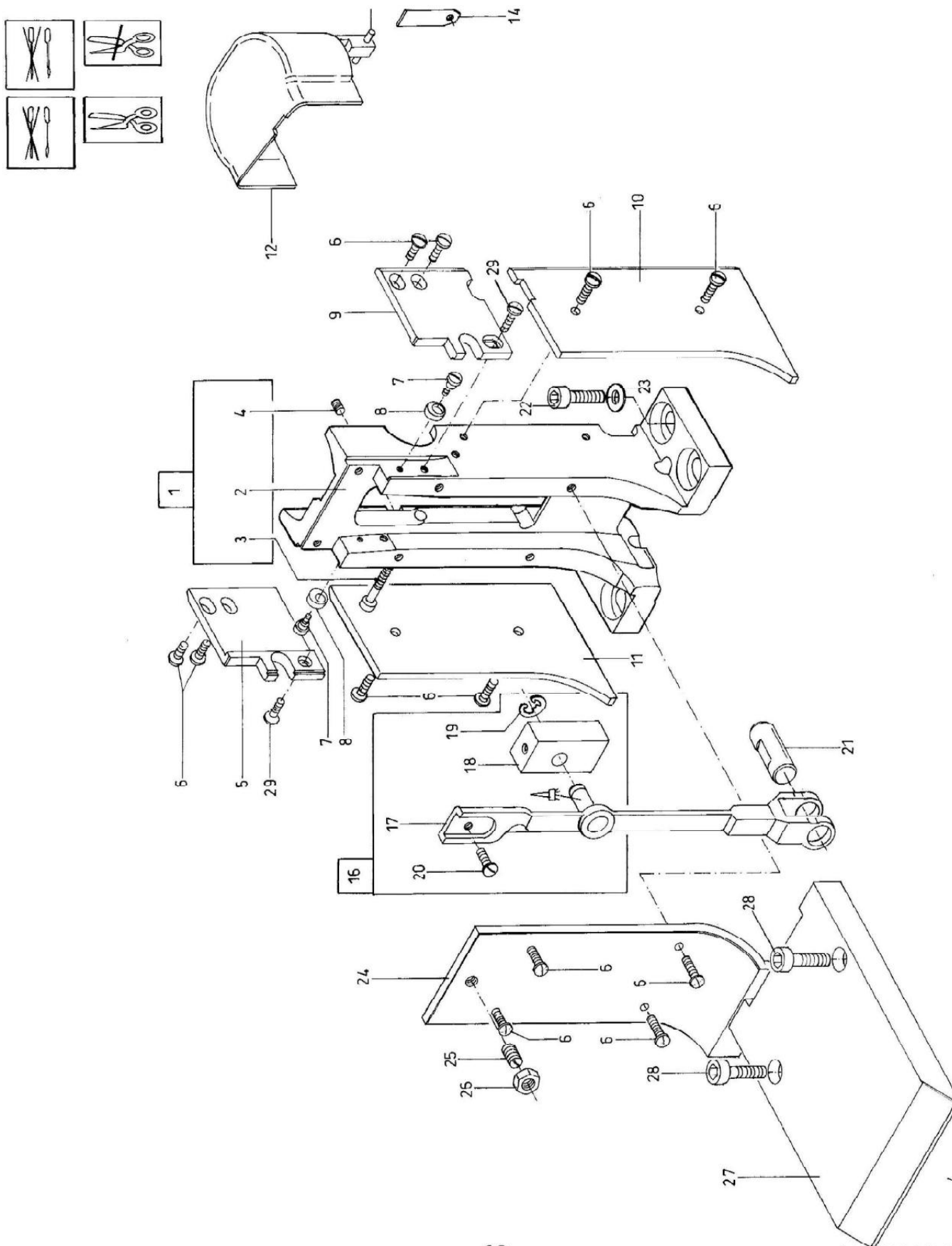


siehe Tafel 46
see table 46

Double Needle Feed Dog Bracket Components

No.	Part No.	Name	Spec	Qty
1.	0768 160013	transp.column cpl		1
2.	0768 160010	transp.column		1
3.	0992 024158	cyl. Screw		1
4.	9205 011641	threaded pin		1
5.	0768 160113	transp.lever		1
6.	0768 160114	transp. lever cpl		1
7.	0268 160120	slide block		1
8.	9357 000080	fastennig disc		1
9.	0068 002550	bolt, stud		1
10.	9202 042897	screw		1
11.	0768 140040	cover plate(ri)		2
12.	0768 140030	cover plate(le)		2
13.	9400 000121	fillister head screw		1
14.	0268 140053	cover		1
15.	0768 160080	guide angle		1
16.	0992 008650	fillister cyl. screw		2
17.	0268 140070	leaf spring		1
18.	9203 003047	cyl. Screw		2
19.	0992 009580	ligh cylind barrier		1
20.	0212 000102	cylinder screw	M4	2
21.	9301 101001	cylinder pin		2
22.	9330 000108	washer		4

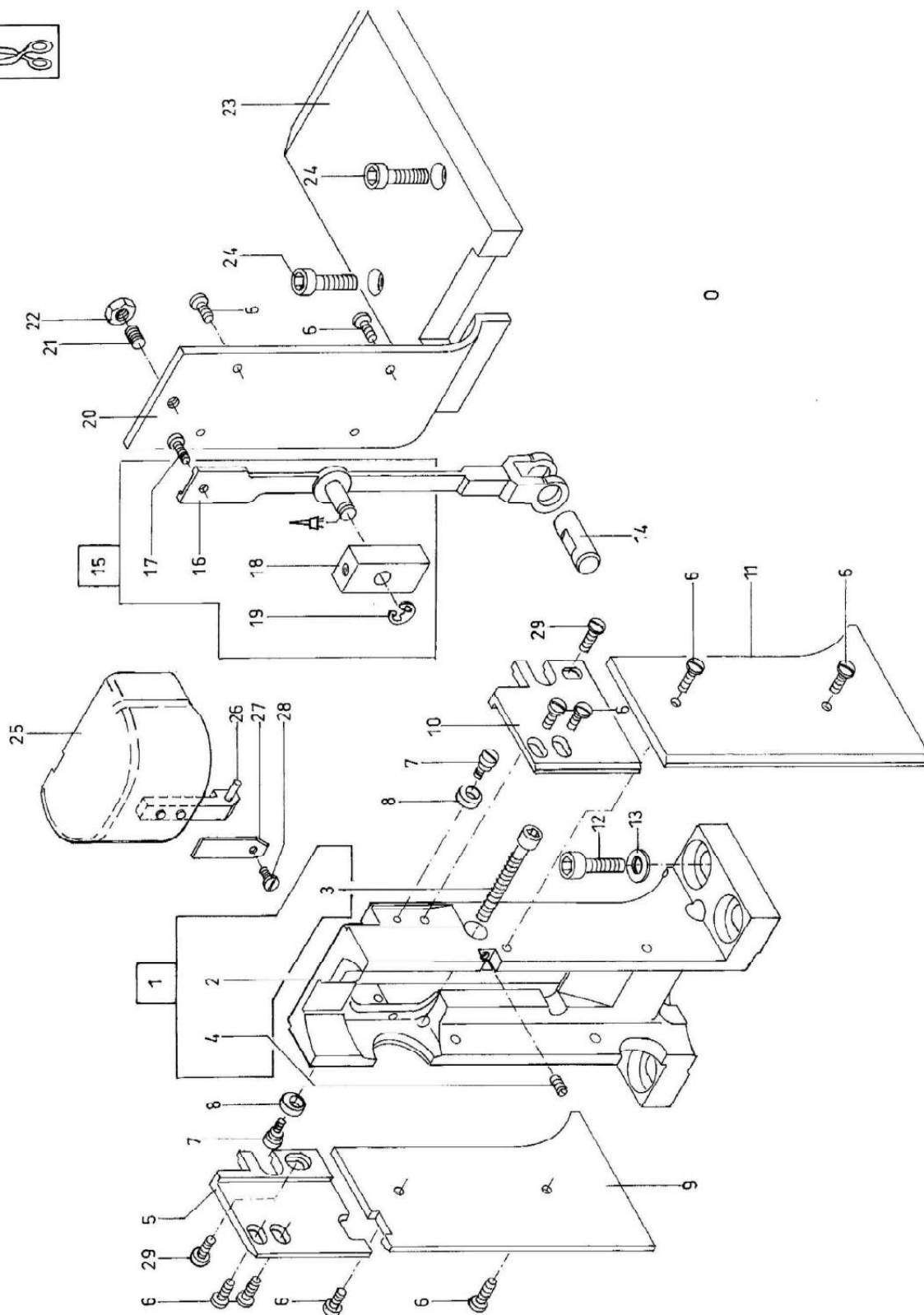
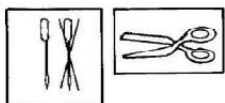
22. Single Needle Feed Dog Bracket Right Components



Single Needle Feed Dog Bracket Right Components

No.	Part No.	Name	Spec	Qty
1.	0768 160103	transp. Column cpl		1
2.	0768 160100	transp. Column		1
3.	0992 024158	cyl. Screw		1
4.	9205 011641	threaded pin		1
5.	0768 140110	throat plate, back		1
6.	9400 000121	screw		4
7.	9400 000231	screw		2
8.	0169 002210	adjustable eccentric		2
9.	0768 140100	throat plate, in front		1
10.	0768 140240	cover in front		1
11.	0768 140230	cover , back		1
12.	0268 140053	post bed cover cpl		1
13.	9301 101001	cyl.Pin		1
14.	0268 140070	leaf spring		1
15.	9203 003047	cyl. Screw		1
16.	0768 160114	feed lever cpl		1
17.	0768 160113	feed lever		1
18.	0268 160120	slide block		1
19.	9357 000080	locking washer		1
20.	9400 000221	screw		1
21.	0068 002550	bolt		1
22.	9202 042897	cyl.screw		8
23.	9330 000108	washer		4
24.	0768 140220	cover plate		1
25.	0223 000648	threaded pin		1
26.	0211 003028	hexagonal nut		1
27.	0768 140250	cover, left		1
28.	9202 042887	cyl. Screw		8
29.	0212 000102	cyl. Scw	M4	2

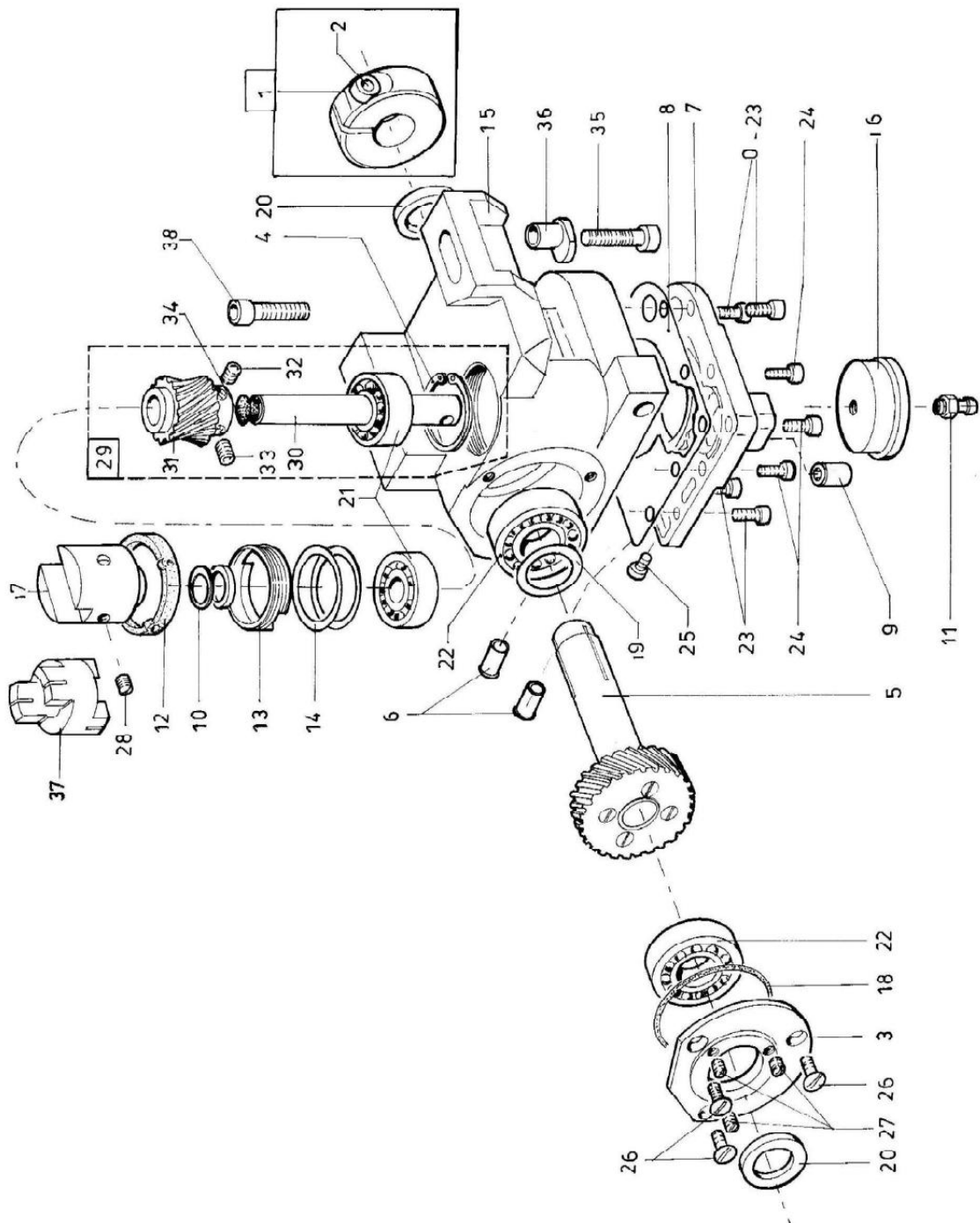
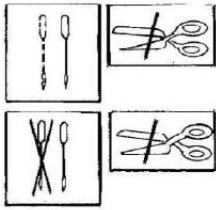
23. Single Needle Feed Dog Bracket Left Components



Single Needle Feed Dog Bracket Left Components

No.	Part No.	Name	Spec	Qty
1.	0768 160103	transp. Column cpl		1
2.	0768 160100	transp. Column		1
3.	0992 024158	cyl. Screw		1
4.	9205 011641	threaded pin		1
5.	0768 140110	throat plate, back		1
6.	9400 000121	screw		4
7.	9400 000231	screw		2
8.	0169 002210	adjustable eccentric		2
9.	0768 140100	throat plate, in front		1
10.	0768 140240	cover in front		1
11.	0768 140230	cover , back		1
12.	0268 140053	post bed cover cpl		1
13.	9301 101001	cyl.Pin		1
14.	0268 140070	leaf spring		1
15.	9203 003047	cyl. Screw		1
16.	0768 160114	feed lever cpl		1
17.	0768 160113	feed lever		1
18.	0268 160120	slide block		1
19.	9357 000080	locking washer		1
20.	9400 000221	screw		1
21.	0068 002550	bolt		1
22.	9202 042897	cyl.screw		8
23.	9330 000108	washer		4
24.	0768 140220	cover plate		1
25.	0223 000648	threaded pin		1
26.	0211 003028	hexagonal nut		1
27.	0768 140250	cover, left		1
28.	9202 042887	cyl. Screw		8
29.	0212 000102	cyl. Scw	M4	2

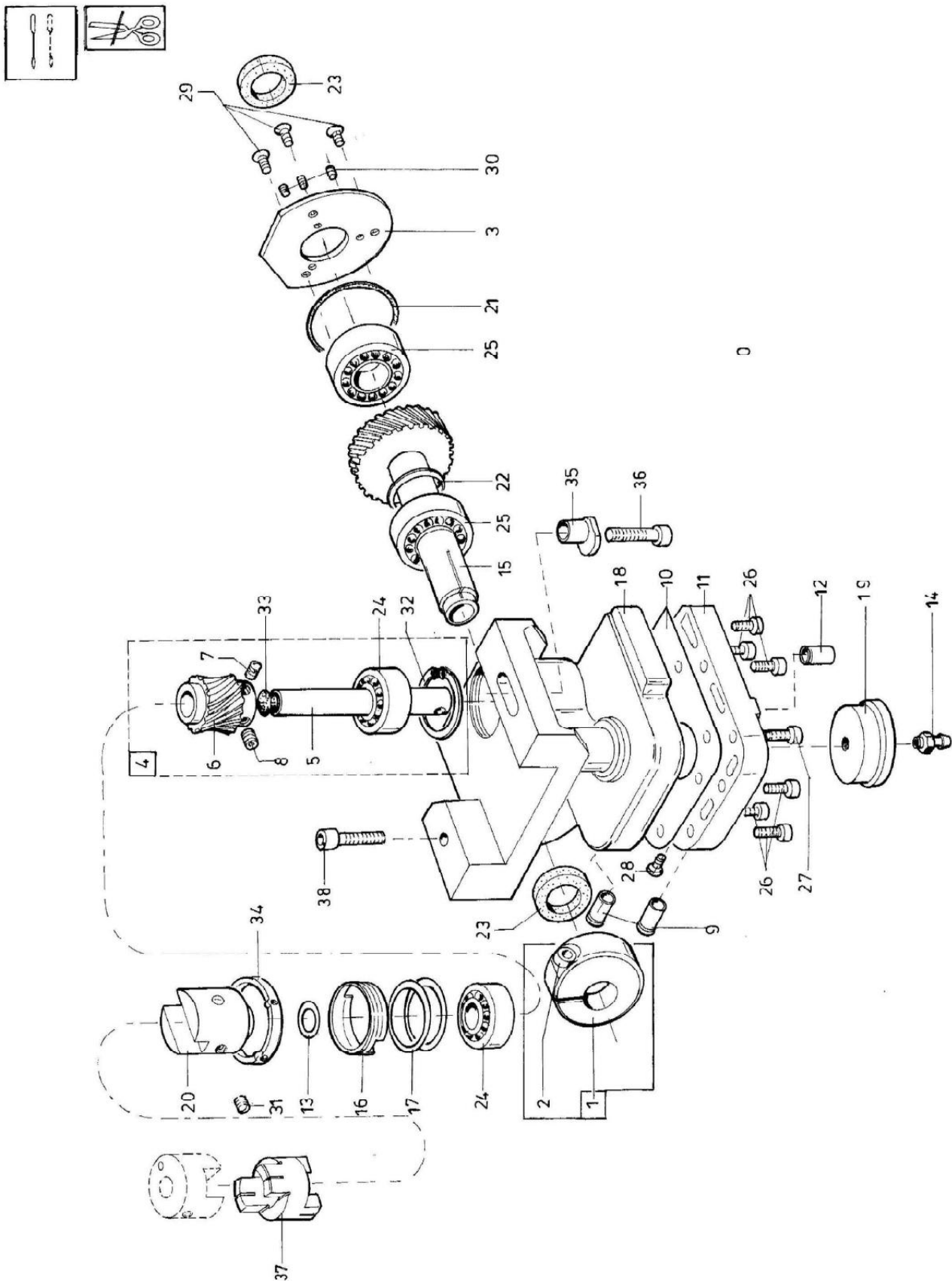
24. Rotary Hook Seat Right Components



No.	Part No.	Name	Spec	Qty
1.	9202 002908	cyl. Screw		1
2.	0367 150193	clamping ring cpl		1
3.	0367 150330	bearing cover		1
4.	9353 000198	retainer ring		1
5.	0367 150433	driving shaft		1
6.	0367 150550	nipple		2
7.	0367 150580	cover		1
8.	0367 150590	gasket		1
9.	0367 150770	bushing		
10.	0367 150910	washer		1
11.	0367 160320	nipple		
12.	0467 150430	dust cover		1
13.	0767 150050	oil drip ring		1
14.	0767 150060	disc		2
15.	0768 150010	hook bearing		1
16.	0768 150030	cap		1
17.	0768 150090	coupling		1
18.	9740 003804	ring		1
19.	0998 881620	washer		1
20.	0999 230518	gasket ring		1
21.	9120 010100	ball bearing		2
22.	9120 010150	ball bearing		1
23.	9202 002068	cyl. Screw		4
24.	9202 002088	cyl. Screw		2
25.	9203 003028	cyl. screw		1
26.	9203 313647	sunk screw		3
27.	9205 023620	threaded pin		3
28.	9205 102168	threaded pin		1
29.	0367 150343	hook shaft cpl		1

No.	Part No.	Name	Spec	Qty
30.	0367 150340	hook shaft		1
31.	0367 150390	helical gear		1
32.	9205 023920	threaded pin		1
33.	9205 102158	threaded pin		1
34.	Z100 011022	plug		1
35.	9202 003188	cyl. Screw		1
36.	0367 150460	eccentric bushing		1
37.	0768 150110	cross slider		1
38.	9202 002948	cyl. Screw		1

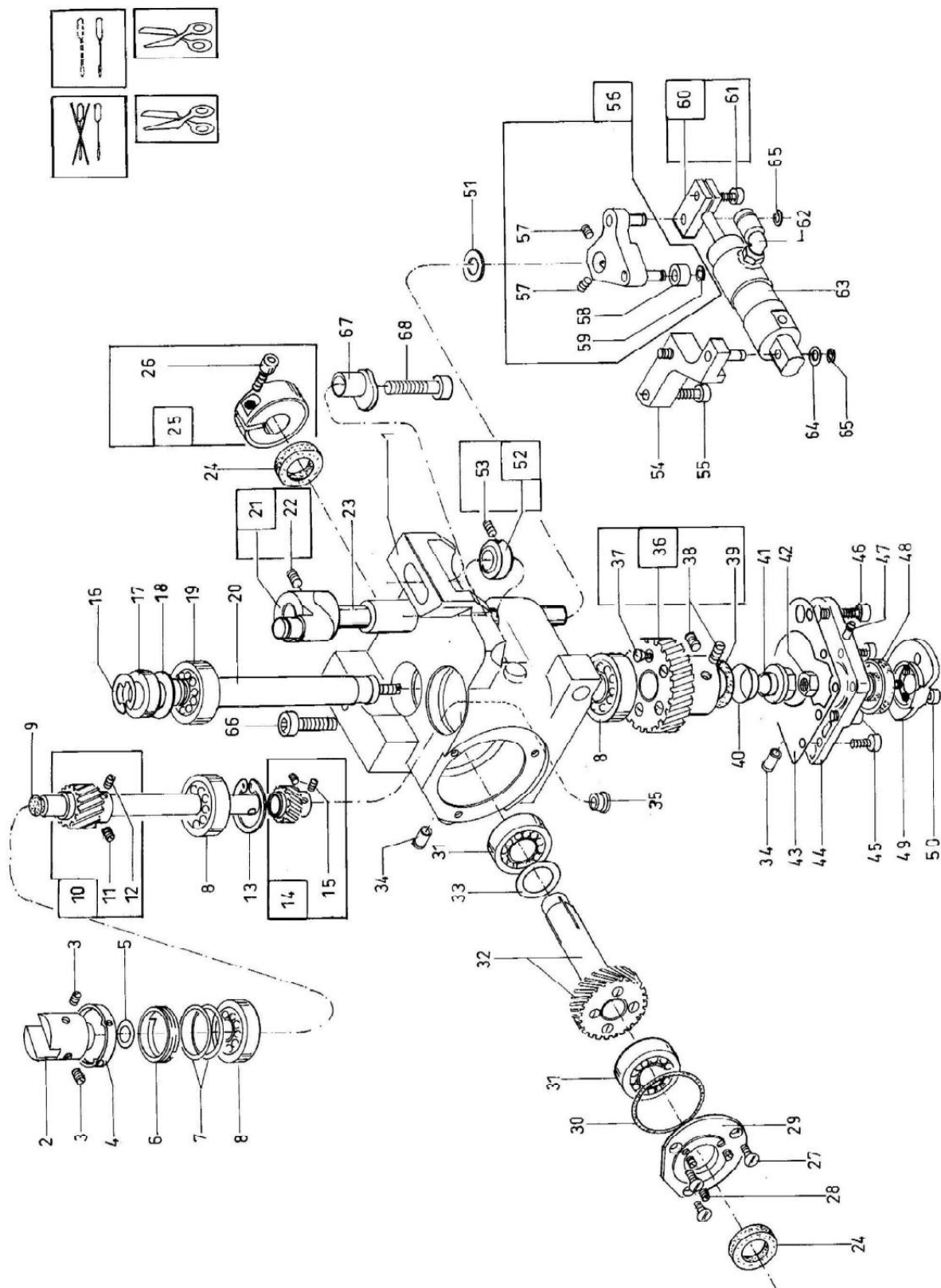
25. Rotary Hook Seat Left Components



No.	Part No.	Name	Spec	Qty
1.	9202 002908	cyl. Screw		1
2.	0367 150193	clamping ring cpl		1
3.	0367 150330	bearing cover		1
4.	9353 000198	retainer ring		1
5.	0367 150433	driving shaft		1
6.	0367 150550	nipple		2
7.	0367 150580	cover		1
8.	0367 150590	gasket		1
9.	0367 150770	bushing		
10.	0367 150910	washer		1
11.	0367 160320	nipple		
12.	0467 150430	dust cover		1
13.	0767 150050	oil drip ring		1
14.	0767 150060	disc		2
15.	0768 150010	hook bearing		1
16.	0768 150030	cap		1
17.	0768 150090	coupling		1
18.	9740 003804	ring		1
19.	0998 881620	washer		1
20.	0999 230518	gasket ring		1
21.	9120 010100	ball bearing		2
22.	9120 010150	ball bearing		1
23.	9202 002068	cyl. Screw		4
24.	9202 002088	cyl. Screw		2
25.	9203 003028	cyl. screw		1
26.	9203 313647	sunk screw		3
27.	9205 023620	threaded pin		3
28.	9205 102168	threaded pin		1
29.	0367 150343	hook shaft cpl		1

No.	Part No.	Name	Spec	Qty
30.	0367 150340	hook shaft		1
31.	0367 150390	helical gear		1
32.	9205 023920	threaded pin		1
33.	9205 102158	threaded pin		1
34.	Z100 011022	plug		1
35.	9202 003188	cyl. Screw		1
36.	0367 150460	eccentric bushing		1
37.	0768 150110	cross slider		1
38.	9202 002948	screw		1

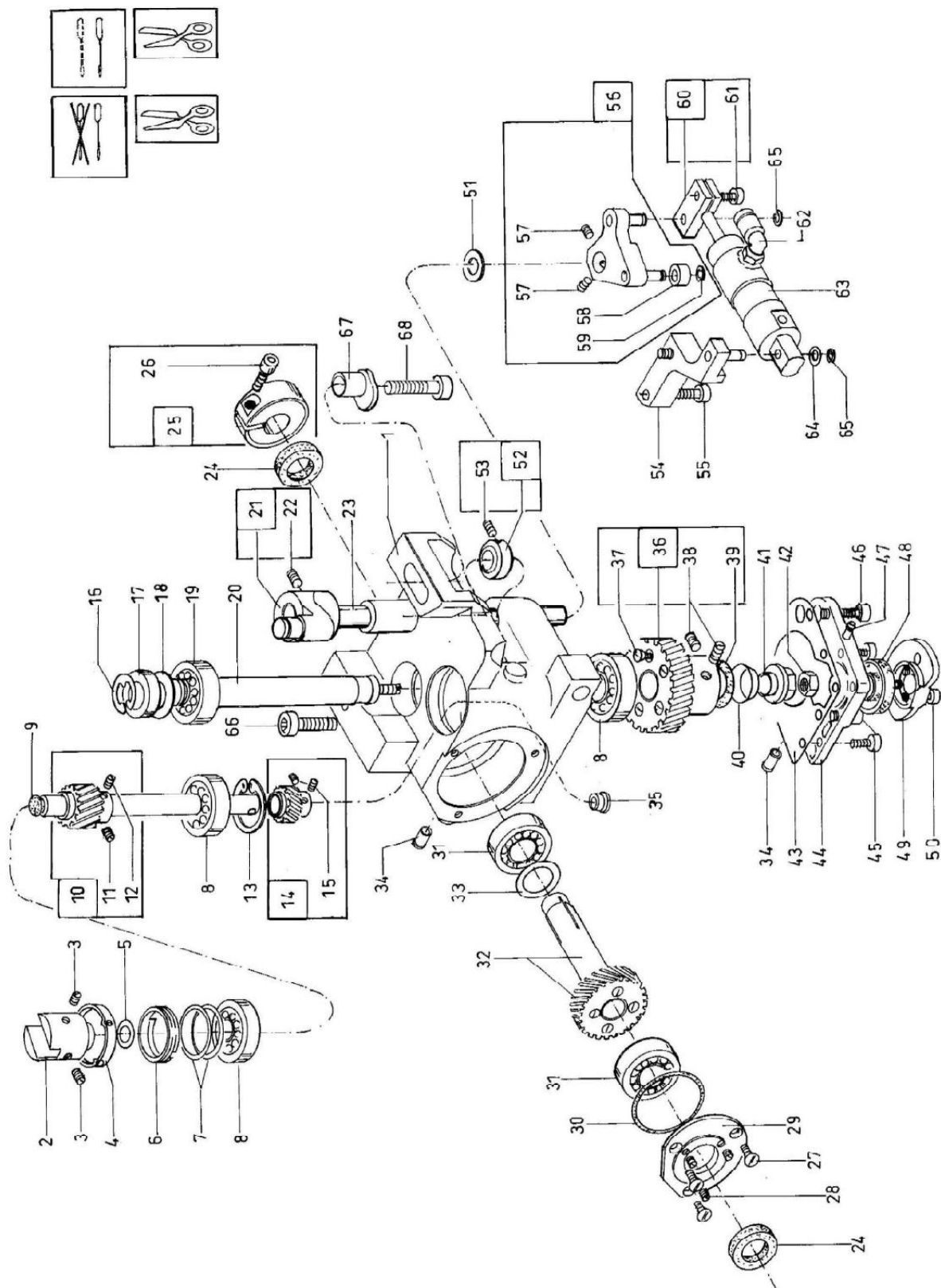
26. Rotary Hook Seat Thread Trimmer Right Components



No.	Part No.	Name	Spec	Qty
1.	0768 150263	hook bearing cpl. Left		1
2.	0768 150090	coupling		1
3.	9205 102168	threaded pin		2
4.	0467 150430	dust cover		1
5.	0367 150900	washer (0.3)		1
6.	0767 150050	oil drip ring		1
7.	0767 150060	washer (0.6)		1
8.	9120 010100	ball bearing		2
9.	Z100 011022	plug		1
10.	0367 150343	hook shaft cpl		1
11.	9205 102158	threaded pin		1
12.	9205 023920	threaded pin		2
13.	9353 000198	retainer ring		1
14.	0367 150403	spur wheel cpl		1
15.	9205 102158	threaded pin		2
16.	9357 000100	retainer ring		1
17.	9330 400067	washer		1
18.	0998 881100	washer		1
19.	9120 020100	ball bearing		1
20.	0768 150270	shaft		1
21.	0768 350094	lever cpl		1
22.	9205 101868	threaded pin		2
23.	0768 350100	shaft		1
24.	0999 230518	gasket ring		1
25.	0367 150193	clamping ring		1
26.	9202 002908	cyl. Screw		1
27.	9203 313647	sunk screw		3
28.	9205 023620	threaded pin		3
29.	0367 150330	cover		1

No.	Part No.	Name	Spec	Qty
30.	9740 003804	o-ring		1
31.	9120 010150	ball bearing		1
32.	0367 150433	driving shaft		1
33.	0998 881620	washer		1
34.	0367 150550	nipple		1
35.	1001 001162	plug		1
36.	0367 150413	spur wheel cpl		1
37.	9203 313047	sunk screw		4
38.	9205 023940	threaded pin		2
39.	9740 010020	o-ring		1
40.	0933 000587	belleville spring washer		1
41.	0367 150540	nut		1
42.	0992 023820	hexagonal nut		1
43.	0367 150590	gasket		1
44.	0768 150280	cover		1
45.	9202 002068	cyl. Screw		1
46.	9202 002088	cyl. Screw		1
47.	0367 120080	nipple		1
48.	0998 859400	ring		1
49.	0768 350070	disc cam		1
50.	9202 002077	cyl. Screw		3
51.	0067 161030	washer		1
52.	0367 350113	adjusting ring cpl		1
53.	9205 102158	threaded pin		1
54.	0768 350143	bearer		1
55.	9202 002108	cyl. Screw		1
56.	0768 350084	roller lever cpl		1
57.	9205 101868	threaded pin		1
58.	0768 350160	roller		1

26. Rotary Hook Seat Thread Trimmer Right Components

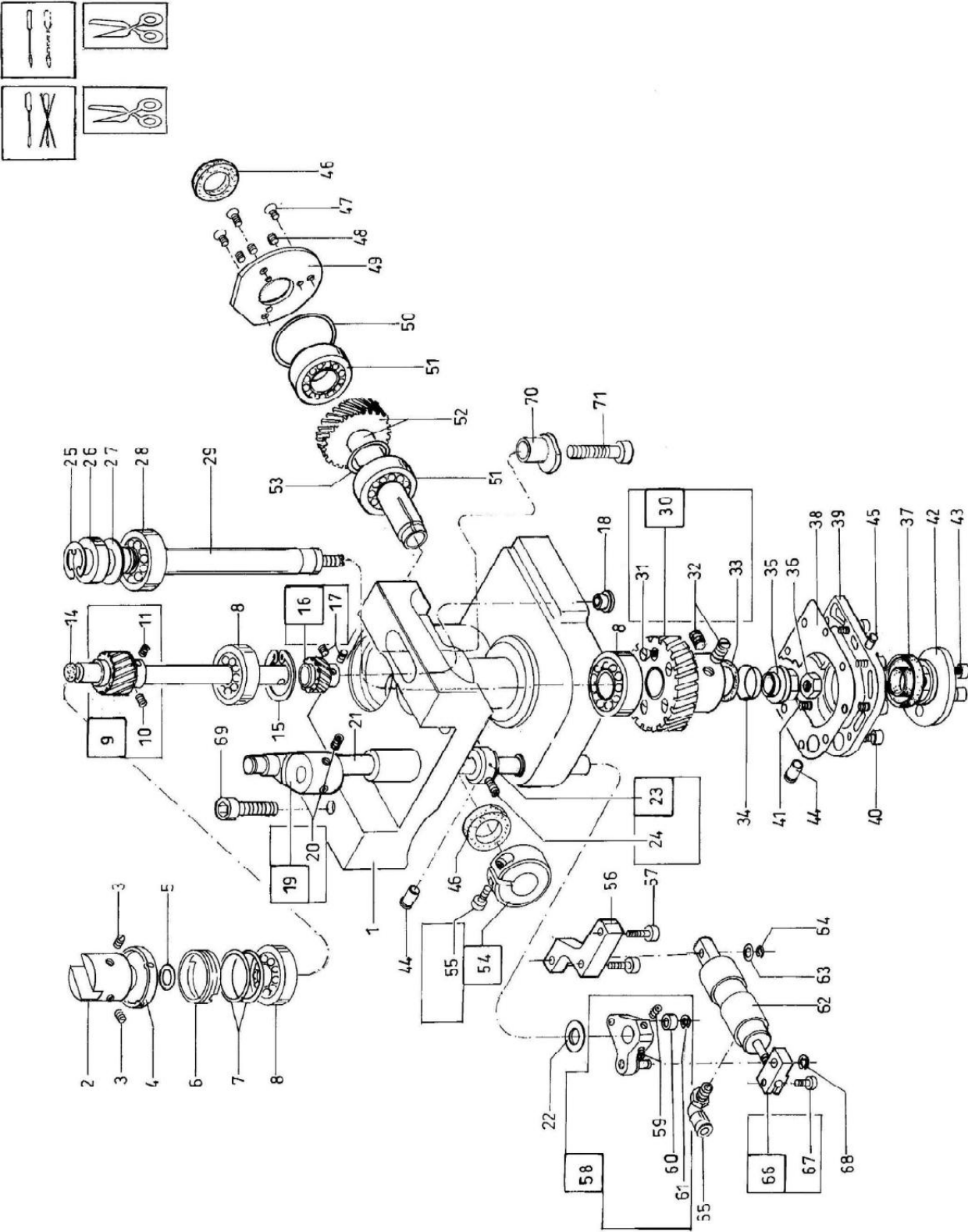


Model: 768RB-D-7DD

Rotary Hook Seat Thread Trimmer Right Components

No.	Part No.	Name	Spec	Qty
59.	9357 000050	retainer washer		1
60.	0768 350153	block cpl		1
61.	9202 002068	cyl. Screw		1
62.	9790 201000	coupling		1
63.	0999 220849	cylinder		1
64.	9330 400018	washer		1
65.	9357 000060	retainer washer		2
66.	9202 002948	cyl. Screw		1
67.	0367 150460	eccentric bushing		1
68.	9202 003188	cyl. Screw		1

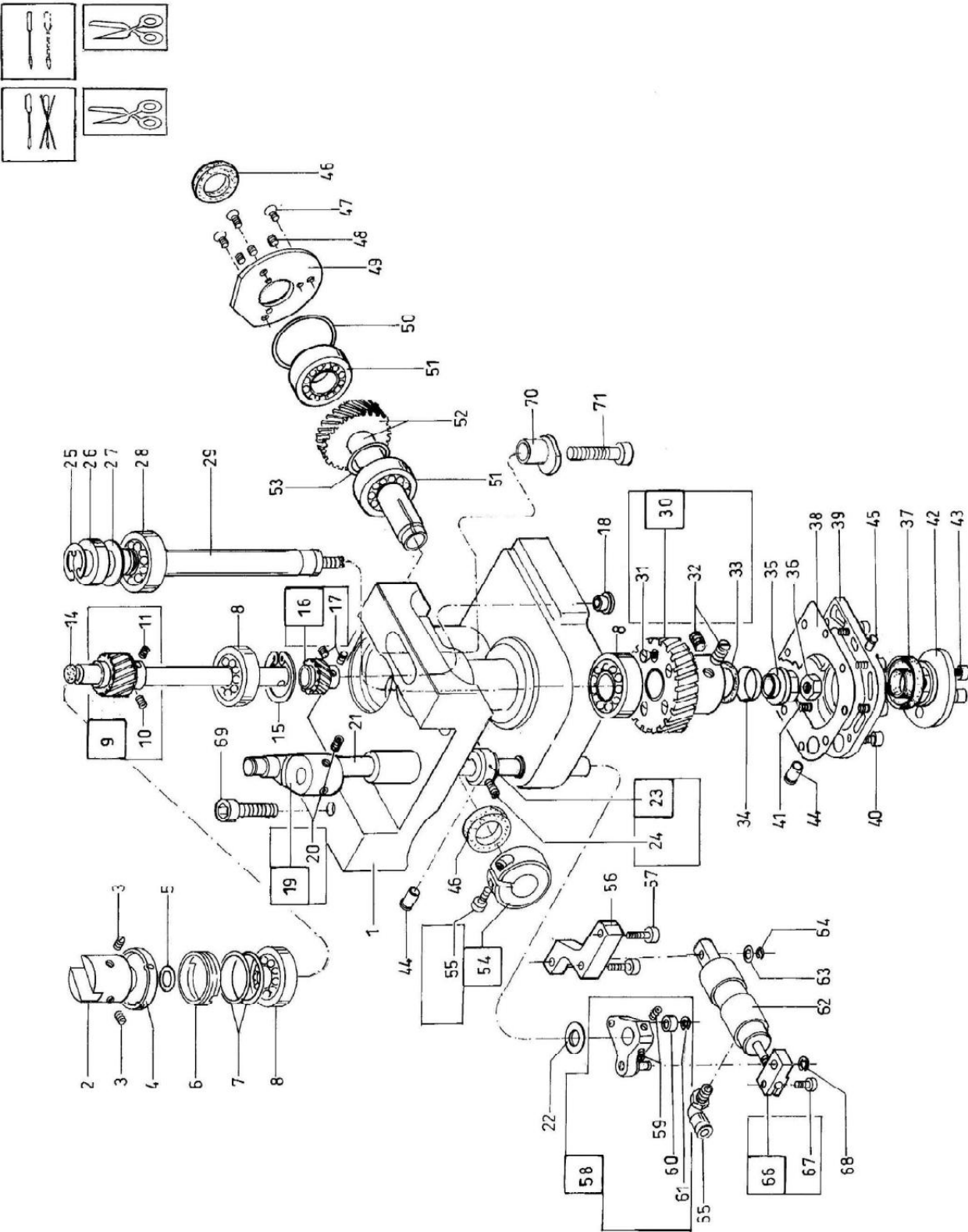
27. Rotary Hook Seat Thread Trimmer Left Components



No.	Part No.	Name	Spec	Qty
1.	0768 150253	hook bearing cpl. Reight		1
2.	0768 150090	coupling		1
3.	9205 102168	threaded pin		2
4.	0467 150430	dust cover		1
5.	0367 150900	washer (0.3)		1
6.	0767 150050	oil drip ring		1
7.	0767 150060	washer (0.6)		1
8.	9120 010100	ball bearing		2
9.	0367 150343	hook shaft cpl		1
10.	9205 102158	threaded pin		1
11.	9205 023920	threaded pin		2
12.	Z100 011022	plug		1
13.	9353 000198	retainer ring		1
14.	0367 150403	spur wheel cpl		1
15.	9205 102158	threaded pin		2
16.	1001 001162	plug		1
17.	0768 350094	roller lever cpl		1
18.	9205 101868	threaded pin		2
19.	0768 350100	shaft		1
20.	0067 161030	washer		1
21.	0367 350113	adjusting ring cpl		1
22.	9205 102158	threaded pin		1
23.	9357 000100	retainer washer		1
24.	9330 400067	washer		1
25.	0998 881100	washer		1
26.	9120 020100	ball bearing		1
27.	0768 150270	shaft		1
28.	0367 150413	spur wheel cpl		1
29.	9203 313047	sunk screw		4

No.	Part No.	Name	Spec	Qty
30.	9205 023940	threaded pin		2
31.	9740 010020	ring		1
32.	0933 000587	belleville spring washer		1
33.	0367 150540	nut		1
34.	0992 023820	hexagonal nut		1
35.	0998 859400	ring		1
36.	0367 150590	gasket		1
37.	0768 150290	cover		1
38.	9202 002068	cyl. Screw		1
39.	9202 002088	cyl. Screw		4
40.	0768 350070	disc cam		1
41.	9202 002077	cyl. Screw		3
42.	0367 150550	nipple		1
43.	0367 120080	nipple		1
44.	0999 230518	gasket ring		2
45.	9203 313647	sunk screw		3
46.	9205 023620	threaded pin		3
47.	0367 150330	cover		1
48.	9740 003804	ring		1
49.	9120 010150	ball bearing		2
50.	0367 150433	driving shaft		1
51.	0998 881620	washer		1
52.	0367 150193	clamping ring cpl		1
53.	9202 002908	cyl. Screw		1
54.	0768 350143	bearer		1
55.	9202 002108	cyl. Screw		1
56.	0768 350084	roller lever cpl		1
57.	9205 101868	threaded pin		1
58.	0768 350160	roller		1

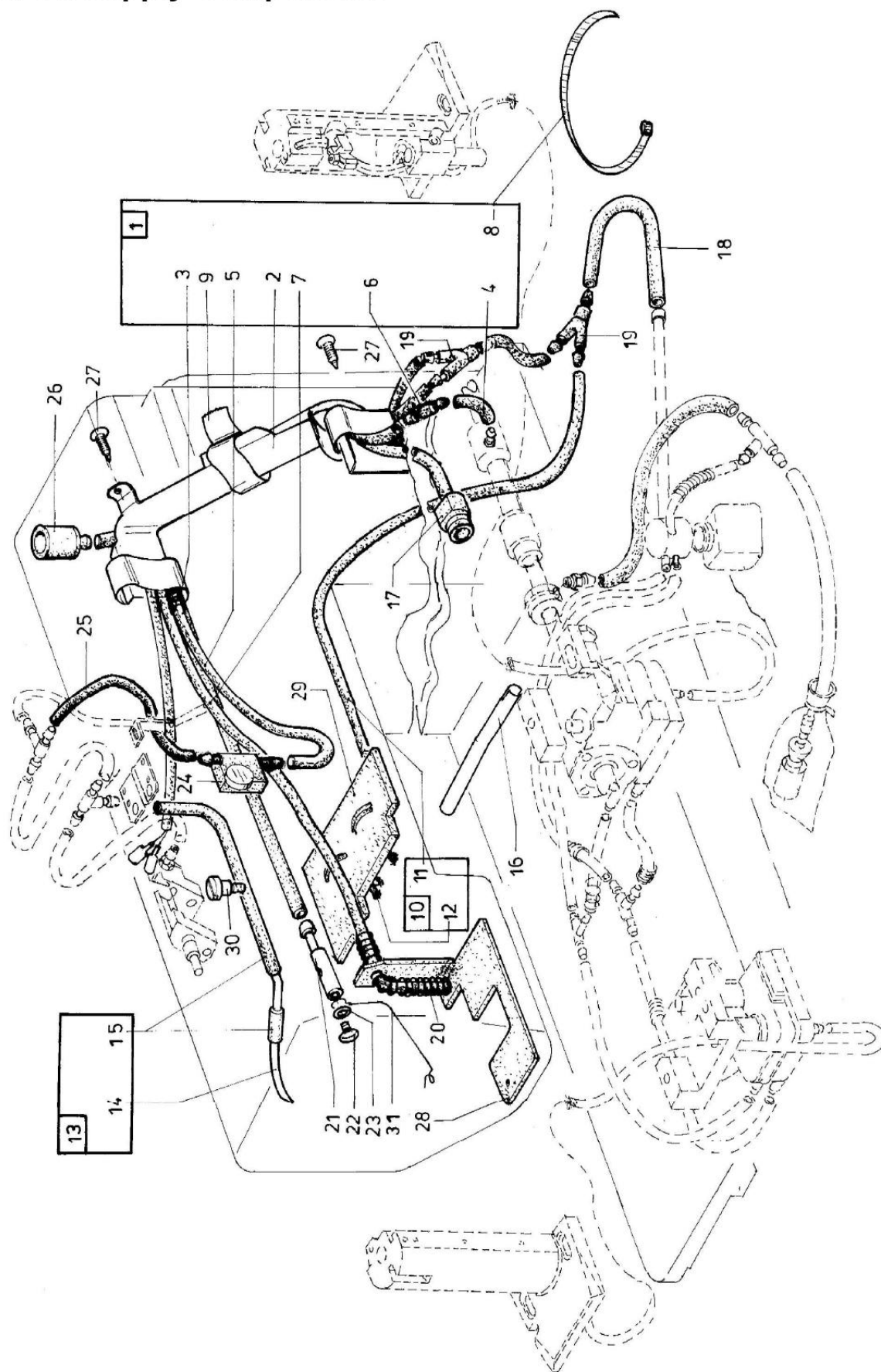
27. Rotary Hook Seat Thread Trimmer Left Components



Gear Seat Thread Trimmer Left Components

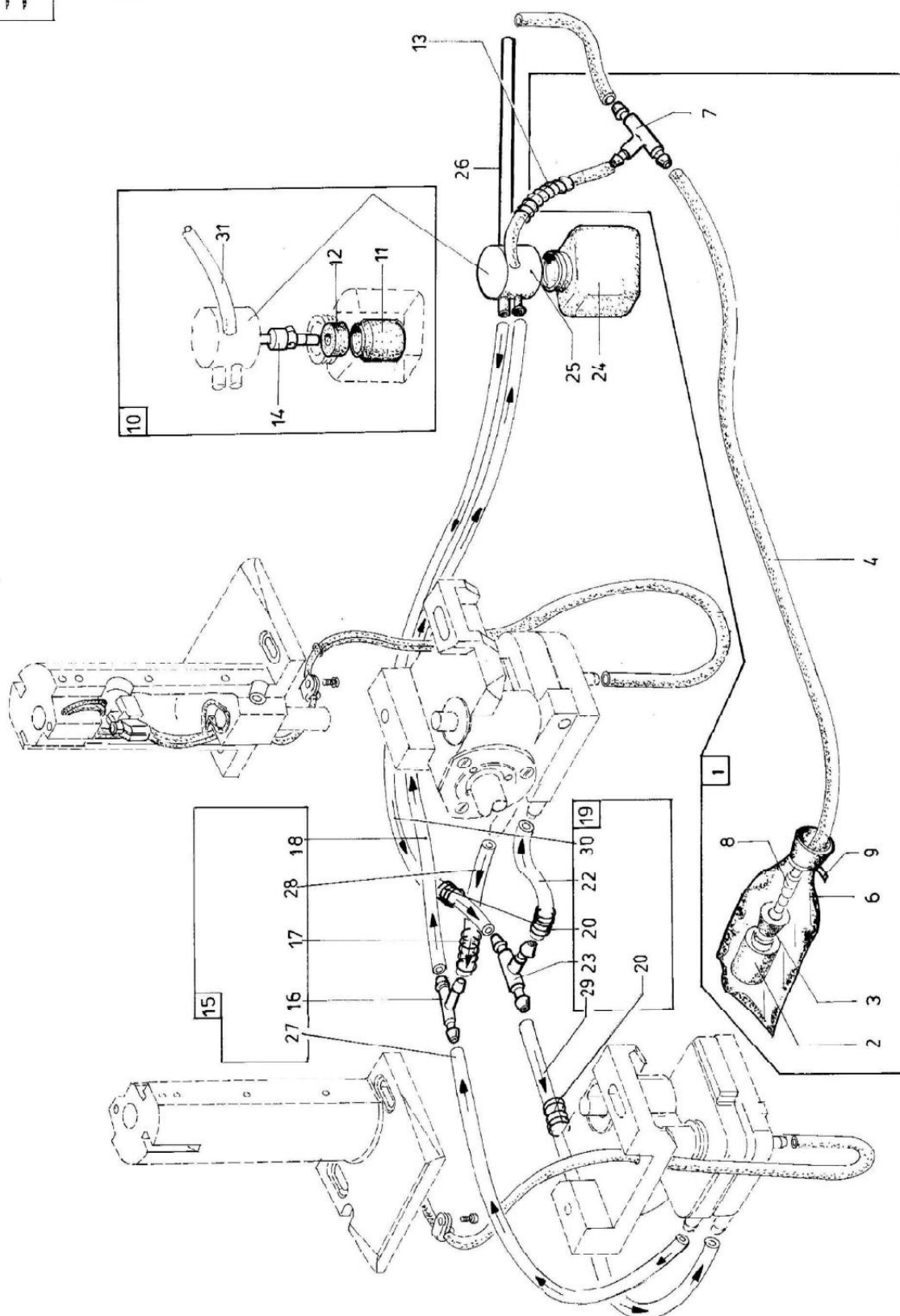
No.	Part No.	Name	Spec	Qty
59.	9357 000050	retainer washer		1
60.	0999 220849	cylinder cpl		1
61.	9330 400018	washer		1
62.	9357 000050	retainer washer		1
63.	9790 201000	coupling		1
64.	0768 350153	block cpl		1
65.	9202 002068	cyl. Screw		1
66.	9357 000060	retainer washer		1
67.	9202 002948	cyl. Screw		1
68.	0367 150460	eccentric bushing		1
69.	9202 003188	cyl. Screw		1

28. Oil Supply Components



No.	Part No.	Name	Spec	Qty
1.	0767 100263	Oil supply pipe joint assembly		1
2.	0367 100240	guard plate		1
3.	0894 582430	screw	ST4.2X1	2
4.	0699 979100	hose		1
5.	0367 150700	PVC hose		1
6.	0999 220710	valve		1
7.	9041 100212	wick		1
8.	9840 121001	cable tie		1
9.	0367 330893	Oil supply assembly		1
10.	0699 979104	hose	2.5LWX1	1
11.	9041 100212	wick		1
12.	0367 100593	oilpipe cpl		1
13.	0367 100260	oil pipe		1
14.	0699 979100	hose		1
15.	0296 001543	pipe		1
16.	0699 979104	hose	5.0LWX1	1
17.	0367 100190	pipe	5mm	1
18.	0367 100300	presser spring	74mm	1
19.	0367 100170	nipple		1
20.	9203 003957	cyl. screw	M5X8	1
21.	0367 310180	inspection glass		1
22.	0367 100610	oil hose	3mmx650mm	1
23.	0467 100410	oil satchel		1
24.	0467 100390	oil satchel		1
25.	0993 991700	coutersunk screw		1
26.	0367 100390	wire bow		1

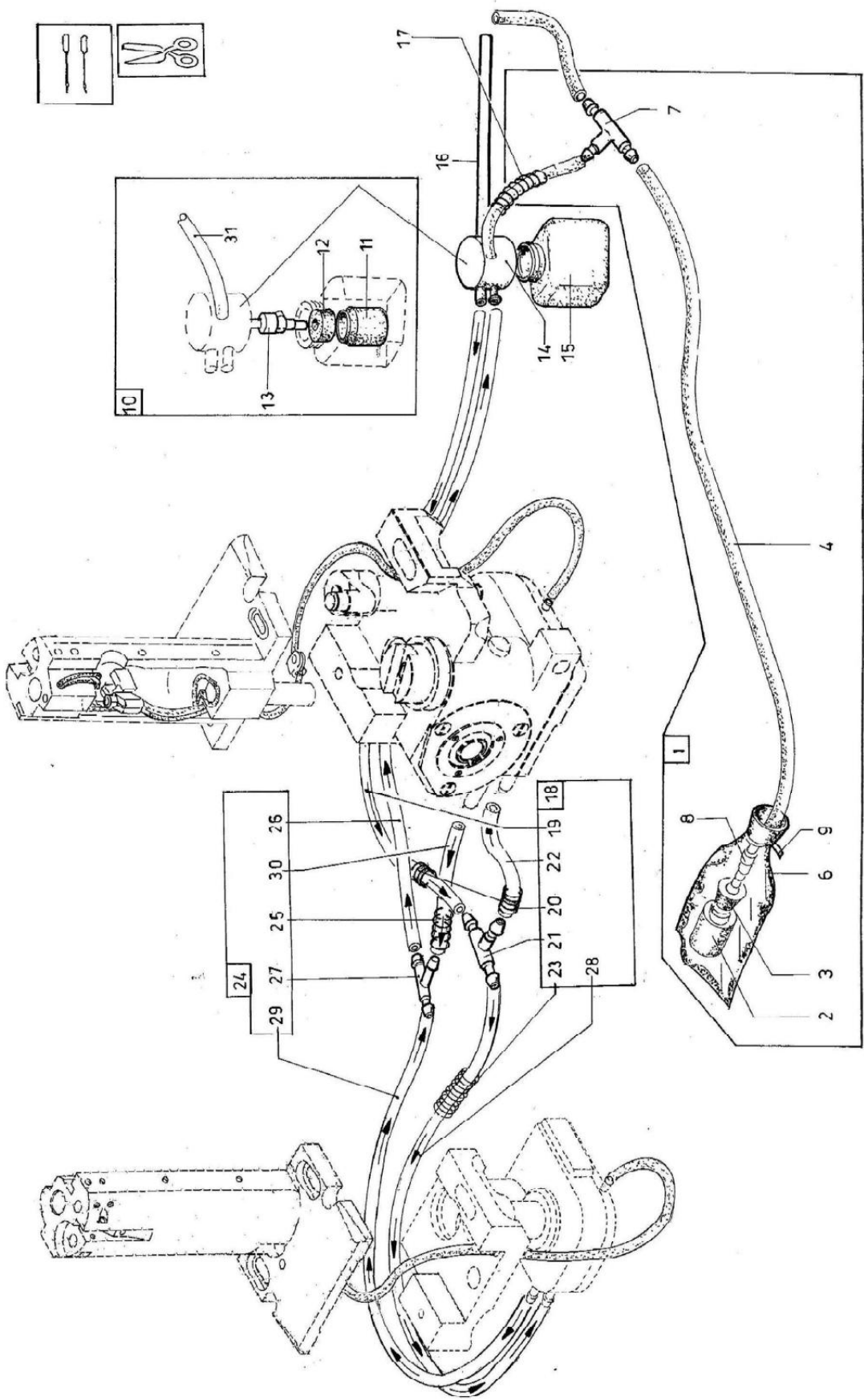
29. Double Needle Oil Supply Components



No.	Part No.	Name	Spec	Qty
1.	0767 150234	filter cpl		1
2.	0367 151040	filter pot		1
3.	0367 151050	bushing		1
4.	0699 979100	lang hose	2.5LWX1	1
6.	0767 150230	part		1
7.	9790 022014	Three-way connector		1
8.	0999 220710	valve		1
9.	9840 121002	cable tie	200X3.5	1
10.	0367 150973	oil hose		1
11.	0367 151040	filter pot		1
12.	0367 151050	bushing		1
13.	0367 151030	supporting spring		1
14.	0999 220710	valve		1
15.	0367 150884	hose		1
16.	0367 100190	pipe		1
17.	0367 150850	supporting spring		1
18.	0699 979104	hose	50MM	1
19.	0367 150894	hose		1
20.	0367 150860	spring		1
22.	0699 979104	hose	180MM	1
23.	0999 240376	t piece		1
24.	0999 190245	plastic bottle		1
25.	0367 150920	holder		1
26.	0367 150570	oil pipe		1
27.	0699 979104	hose		1
28.	0699 979104	hose		1
29.	0699 979104	hose		1
30.	0699 979104	hose		1

No.	Part No.	Name	Spec	Qty
31.	0699 979100	hose		1

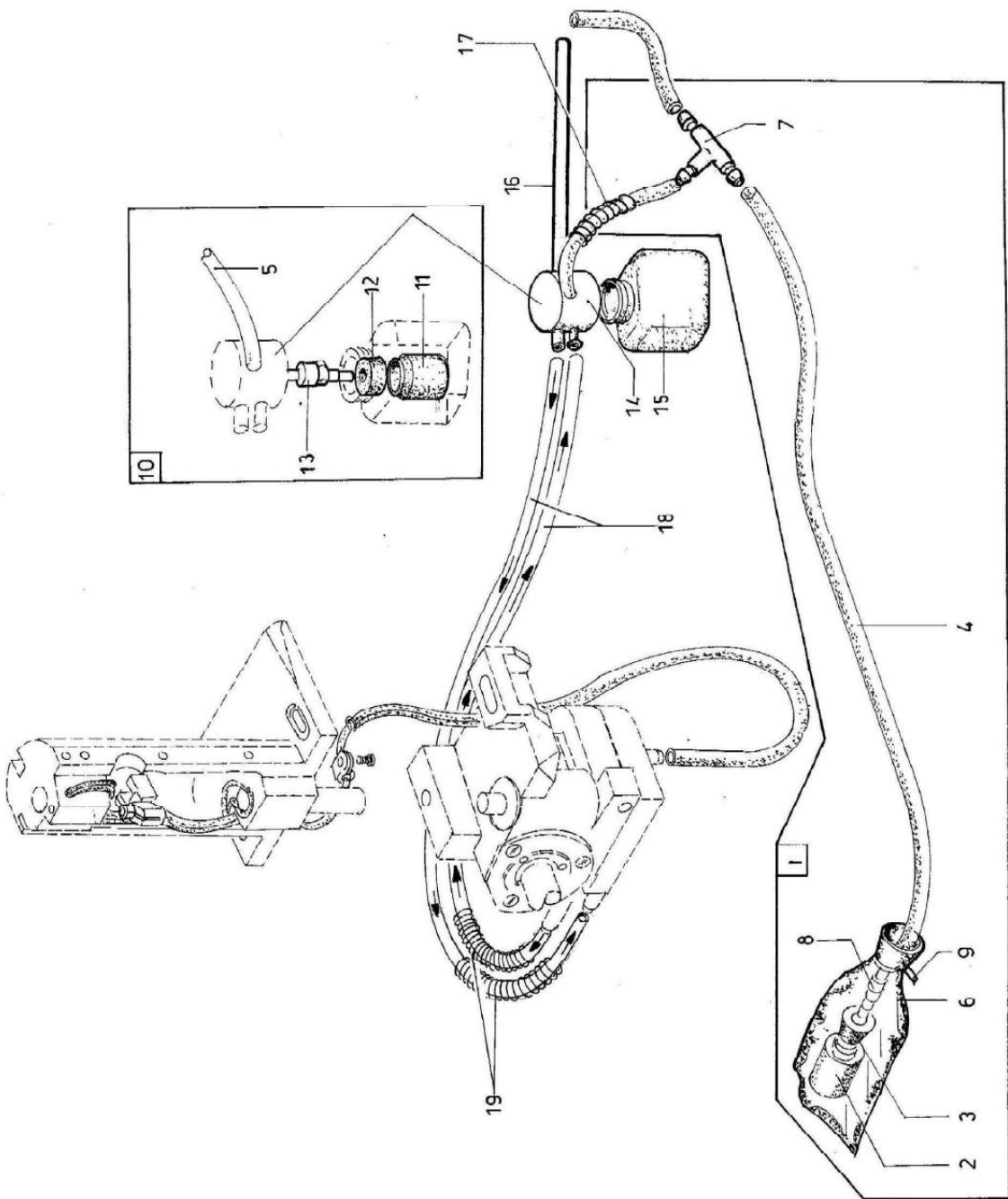
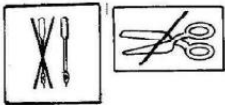
30. Double Needle Thread Trimmer Oil Supply Components



No.	Part No.	Name	Spec	Qty
1.	0767 150234	filter cpl		1
2.	0367 151040	filter pot		1
3.	0367 151050	bushing		1
4.	0699 979100	lang hose		1
6.	0767 150230	part		1
7.	9790 022014	Three-way connector		1
8.	0999 220710	valve		1
9.	9840 121002	cable tie		1
10.	0367 150973	oil hose		1
11.	0367 151040	filter pot		1
12.	0367 151050	bushing		1
13.	0367 151030	supporting spring		1
14.	0999 220710	valve		1
15.	0367 150884	hose		1
16.	0367 100190	pipe		1
17.	0367 150850	supporting spring		1
18.	0699 979104	hose		1
19.	0367 150894	hose		1
20.	0367 150860	spring		1
22.	0699 979104	hose		1
23.	0999 240376	t piece		1
24.	0999 190245	plastic bottle		1
25.	0367 150920	holder		1
26.	0367 150570	oil pipe		1
27.	0699 979104	hose		1
28.	0699 979104	hose		1
29.	0699 979104	hose		1
30.	0699 979104	hose		1

No.	Part No.	Name	Spec	Qty
31.	0699 979100	hose		1

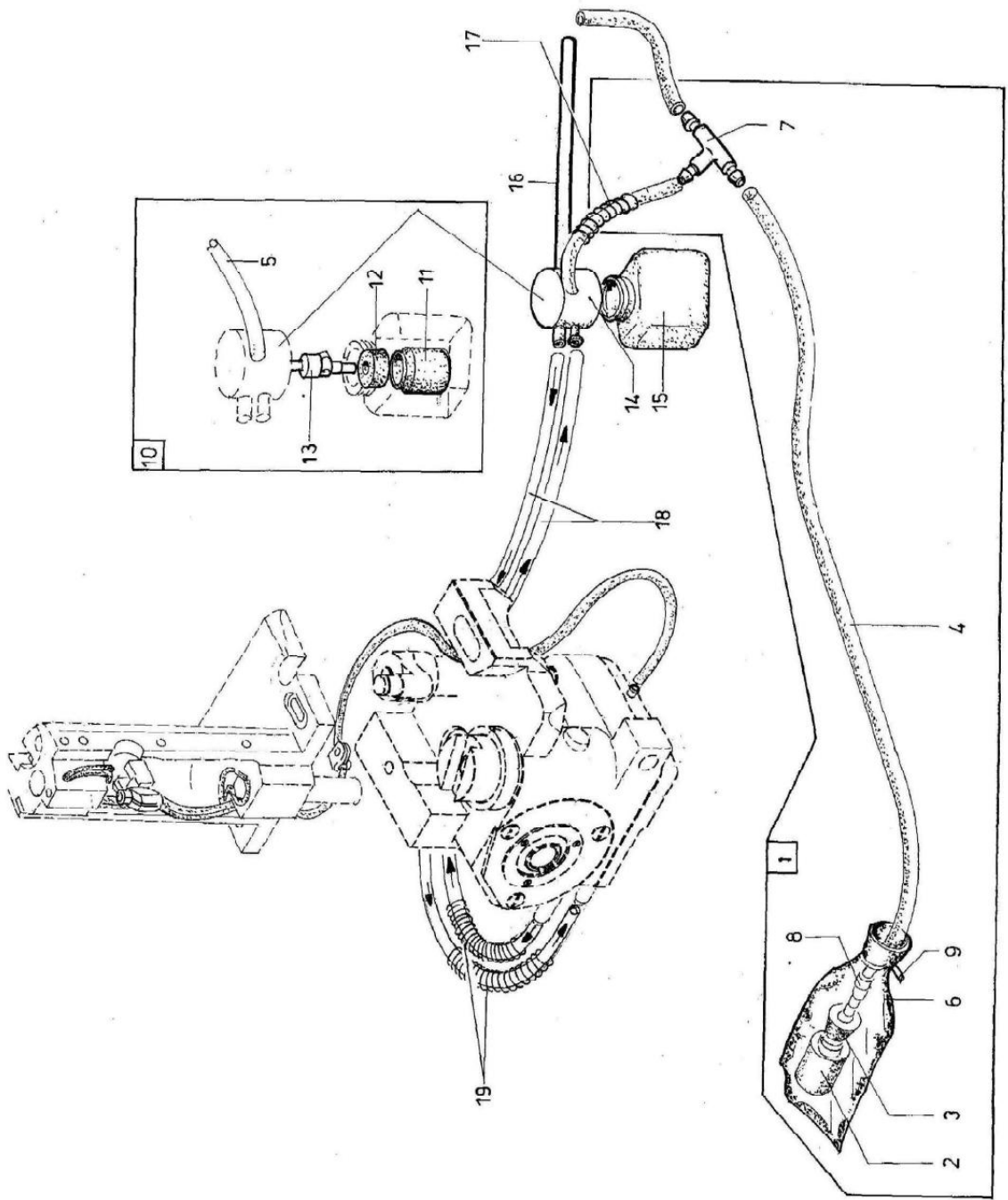
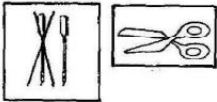
31. Single Needle Oil Supply Components



Single Needle Oil Supply Components

No.	Part No.	Name	Spec	Qty
1.	0767 150234	filter cpl		1
2.	0367 151040	filter pot		1
3.	0367 151050	bushing		1
4.	0699 979100	hose (0,250)	2.5LWX1	1
5.	0699 979100	hose	180MM	1
6.	0767 150230	filter bag		1
7.	9790 022014	Three-way connector		1
8.	0999 220710	valve		1
9.	9840 121002	cable tie	200X3.5	1
10.	0367 150973	oil hose cpl		1
11.	0367 151040	filter pot		1
12.	0367 151050	bushing		1
13.	0999 220710	valve		1
14.	0367 150920	holder		1
15.	0999 190245	plastic bottle		1
16.	0367 150570	oil pipe		1
17.	0367 151030	supporting spring		1
18.	0367 150980	oil hose	50MM	1
19.	0367 150850	supporting spring		1

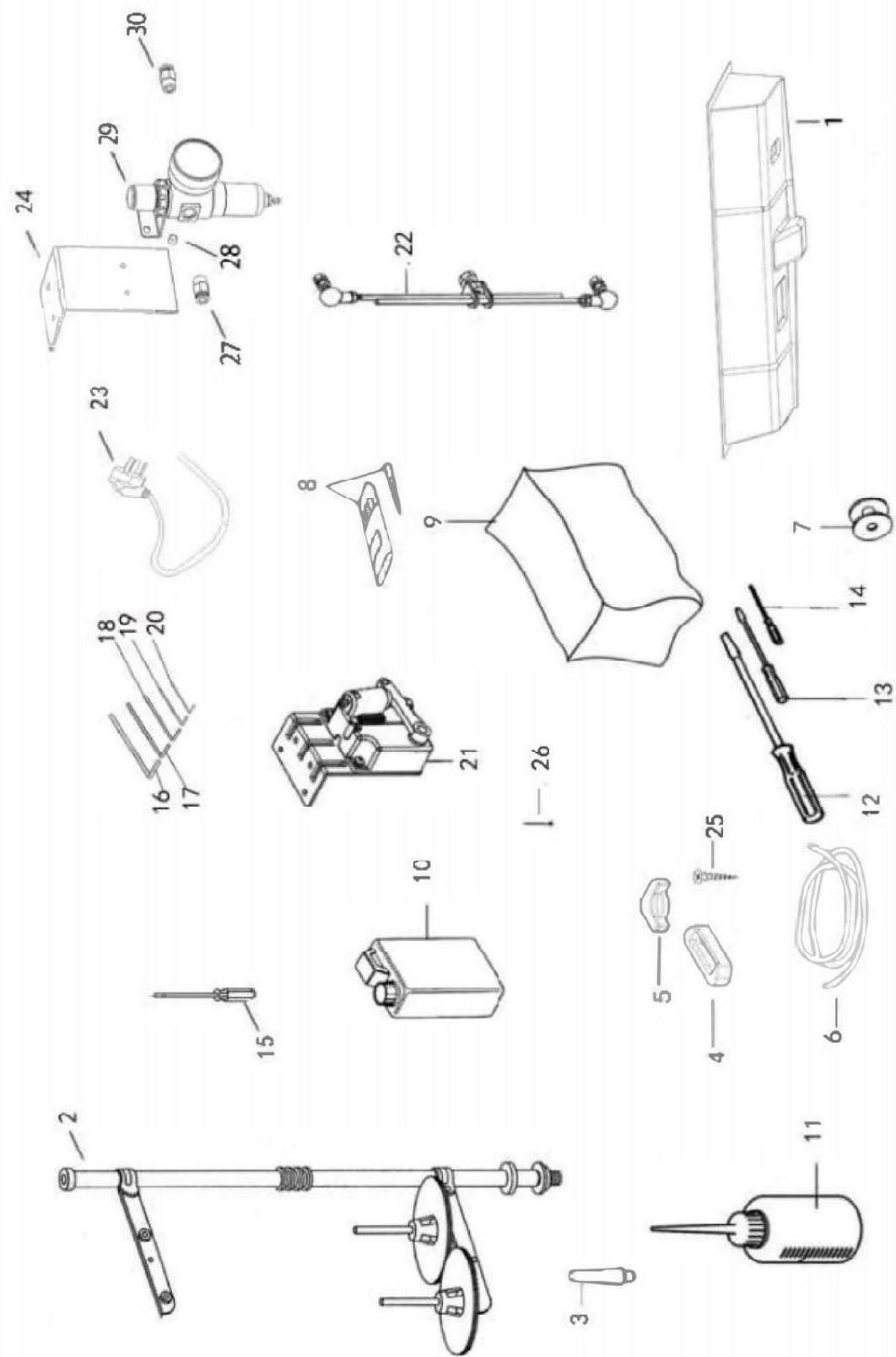
32. Single Needle Thread Trimmer Oil Supply Right Components



No.	Part No.	Name	Spec	Qty
1.	0767 150234	filter cpl		1
2.	0367 151040	filter pot		1
3.	0367 151050	bushing		1
4.	0699 979100	hose (0,250)	2.5LWX1	1
5.	0699 979100	hose	180MM	1
6.	0767 150230	filter bag		1
7.	9790 022014	Three-way connector		1
8.	0999 220710	valve		1
9.	9840 121002	cable tie	200X3.5	1
10.	0367 150973	oil hose cpl		1
11.	0367 151040	filter pot		1
12.	0367 151050	bushing		1
13.	0999 220710	valve		1
14.	0367 150920	holder		1
15.	0999 190245	plastic bottle		1
16.	0367 150570	oil pipe		1
17.	0367 151030	supporting spring		1
18.	0367 150980	oil hose	50MM	1
19.	0367 150850	supporting spring		1

No.	Part No.	Name	Spec	Qty
1.	0767 150234	filter cpl		1
2.	0367 151040	filter pot		1
3.	0367 151050	bushing		1
4.	0699 979100	hose (0,250)	2.5LWX1	1
5.	0699 979100	hose	180MM	1
6.	0767 150230	filter bag		1
7.	9790 022014	Three-way connector		1
8.	0999 220710	valve		1
9.	9840 121002	cable tie	200X3.5	1
10.	0367 150973	oil hose cpl		1
11.	0367 151040	filter pot		1
12.	0367 151050	bushing		1
13.	0999 220710	valve		1
14.	0367 150920	holder		1
15.	0999 190245	plastic bottle		1
16.	0367 150570	oil pipe		1
17.	0367 151030	supporting spring		1
18.	0367 150980	oil hose	50MM	1
19.	0367 150850	supporting spring		1

34. Accessories



No.	Part No.	Name	Spec	Qty
1.	1367 250010	Oil pan		1
2.	281 700014	Thread stand assembly		1
3.	0791 001055	Machine head support rod		2
4.	0700 000090	Hinge base		2
5.	0700 000091	Bed plate rubber pad		2
6.		8mm air tube X100cm		1
7.	0667 150830	Bobbin (767L-1B)		3
8.		Needle (134-35 Nm120)		1
9.	0281 380114	Machine head cover		1
10.		Oil pot		1
11.		Small oil pot		1
12.	9081 500021	Large screwdriver		1
13.		Medium screwdriver		1
14.	9081 500010	screw driver		1
15.	9081 100251	screw driver		1
16.		2mm hex key		1
17.		2.5mm hex key		1
18.		3mm hex key		1
19.		4mm hex key		1
20.		5mm hex key		1
21.		Speed controller		1
22.		Speed controller pull rod		1
23.		Power cord		1
24.		Air pressure regulating valve bracket		1
25.	9204 002363	sunk screw		10
26.	9840 123003	pin		16
27.	PC802	Air tube connector		1
28.		Plug		1

No.	Part No.	Name	Spec	Qty
29.	AFR2000	Air source		1
30.	PC802	Air tube connector		1



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Specifications subject to change without notice.